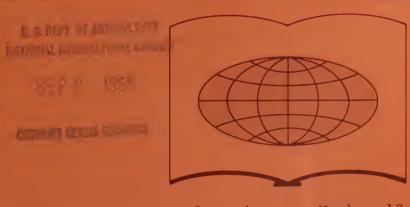
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Pesticides Documentation BULLETIN



Volume 4
JUNE 7, 1968

Number 12



U.S. DEPARTMENT OF AGRICULTURE

NATIONAL AGRICULTURAL LIBRARY

U. S. DEPARTMENT OF AGRICULTURE

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These issues of the <u>Pesticides Documentation Bulletin</u> introduce a new computer generated current awareness service. Through the <u>Pesticides Information Center's Update</u>, <u>Publication and Search (PICUPS)</u> system, a categorized bibliographic citation file, accompanied by subject, author, organization and biographical indices will be issued bi-weekly.

All elements of the citations maintained in this mechanized file system are searchable by computer. In addition to the printed subject descriptors appearing in the Bulletin, other subject descriptors are incorporated in the tape file system as machine searchable but non-printable items. In the early issues some of these subject terms appear in the Bulletin as duplications. These duplications will be eliminated in later programs.

Since retrospective information was not previously published in searchable form, the next several issues of the <u>Bulletin</u> will contain selected coverage of pest control literature issued between 1960 and 1966. Additional retrospective material will be incorporated in future bulletins through the special bibliographies prepared by the Center. Current pest control literature will receive comprehensive coverage. Future expansion will include selected abstracts when such abstracts appear in the source document.

Recipients of this introductory issue are invited to send their comments and suggestions for its improvement to the U.S. Department of Agriculture, National Agricultural Library, Pesticides Information Center, 4112-Auditors Building, Washington, D. C. 20250. These comments together with computer produced statistical analyses will provide the bases for future changes.

Blanche L. Oliver

Blanche L. Oliveri Acting Director

National Agricultural Library



PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4

June 7, 1968

Number 12

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library, It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

For broader coverage of literature on agriculture and related subjects, please consult the Bibliography of Agriculture, a monthly publication of the National Agricultural Library.

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The <u>Bulletin</u> is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

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ACKNOWLEDGMENT

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^{*}This issue does not contain citations under this category.



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Systematics

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Dermartera, Iscitera, Cithortera, Zoogeography.

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H Westra
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English summary.
Abstract

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K G Addiyodi
J Insect Physiol 13(8):1189-1195 REF Aug 1967 421 3825
Blood plasma, Electrophoresis, Insect physiology, Nauphoeta cinerea, Ovaries, Froteins.
Abstract

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W Aelle

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Fertility, Tetranychus urticae.

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R L Anderson J A Mutchmor
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Rlaberus craniiier, Cold, Insect physiology, Leucophaea maderae, Nervous system, Periplaneta americana.

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E R Balboni
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Apis mellifera, Insect flight, Insect metabolism,
Insect respiration, Mitochondria, Muscles.
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H 8eckman H Pernandez
J Econ Entomol 61(1):311
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Experimental insects, Photochemistry, Toxicity.

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D R Bhatia H Cbandra Indian® Entomol 29(1):102-103
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B F Ecdnaryk
J Insect Physiol 14(2):223-242 REP
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Amino acids, Deficiency diseases, Insect Physiology,
Musca domestica, Neoplasms, Nucleic acids, Phenylalanine.
Abstract

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A WA ROWN
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Aedes aegypti, Bicchemistry.

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Culicidae, Intersexuality, Sex, Temperature.
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E RUTSell

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Abstract

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WHICH EMARIE HER WORKERS TO EOLLOW HER WHEN SWARMING.
C G Eutler J Simpson
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Apis mellifera, Ree hebavior, Hormones, Pheromones.
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J J Callec J Foistel
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Insect physiology, Nerves, Feriplaneta americana.

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J C Carthy
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Insect behavior, Smell, Stridulation, Touch, Vision.

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H C Charman D R Woodard J J Fetersen
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W H Cheong
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P S Corhet
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Riological clocks, Insect behavior.

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C S Creighton E R Cuthhert
J Econ Entomol 61(1):337-338
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Reproduction.

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A D Crone Riochem J 104(2):695-704 REF Aug 1967 382 R52
Riochemistry, Calcium, Ethanolamine, Musca domestica, Phospholipids, Serine.
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F F Cuthhert C S Creighton R R Cuthhert
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Acalymma vittatum, Diabrotica halteata,
Diabrotica undecimpunctata, Insect rearing.
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J S Dabrowski
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K G Davey
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Rlood, Feeding, Ovulation, Rhodnius prolixus, Sex behavior.
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A COMPARATIVE STUDY OF LARVAL EMERRYOGENESIS IN TRE
MOSQUITO CULEX PATICANS WIEDEMANN (DIFTERA:
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Culex pipiens guinguefasciatus, Insect physiology, Larvae,
Phaenicia sericata.
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SUBTINAMENSIS.
G R F Davis
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Diet, Insect nutrition, Larvae, Oryzaephilus surinamensis.
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Insect ecology, Insect physiology, Triholium castaneum,
Triholium confusum.

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V G Lethier
BCy Entemel Soc London Symp 3:46-58 HEF
1966 420 H61

Peeding, Insect behavior.

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DECSCHILLA MELANOCASTER AND DROSOPHILA SIMULANS. (POL)
T Dlugokecka
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Insect populations.

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SIGNIFICABCE OF NSM IN THE AGRTAL WALL OF THE BUG,
DYSDEEGUS KCENIGII.
G S Dogra
J Insect Physiol 13(12):1895-1906 BEF
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Aorta, Insect physiology, Nervous system, Secretion.
Neurosecretory material
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E J Duke E Glassman
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Biochemistry, Drosophila, Evolution, Xanthine dehydrogenase.
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Anoxia, Insect physiology, Mortality, Musca domestica, Nitrogen, Senescence, Sex.
English abstract
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J J T Evans
J Insect Fhysiol 13(11):1699-1711 BEF
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Antheraea pernyi, Biochemistry, Blood, Phenolases.
Abstract

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J I Evans
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Antheraea eucalypti, Antheraea Fernyi, Biochemistry, Blood, Melanins, Fhenolases, Pupae, Tyrosine.

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D J Farish G G E Scudder
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B D Farley J F Case K D Boeder
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B A Firtel G B Saul
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Biochemistry, Nasonia witripennis, Phenolases, Temperature.
Abstract

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Drosophila melanogaster, Insect respiration, Metamorphosis,
Bespirometers.
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BOMBYX MOBI. (FF)
S Fukuda S Takenchi
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Bombyx mori, Central nervous system, Corpora allata,
Corpora cardiaca, Endocrine glands, Sex.

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B Galnn
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D M Gnthrie
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Reflexes.
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Epilachna varivestis, Insecticides, Prodenia eridania. Abstract

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Digestion, Glossina morsitans, Hormones, Insect physiology, Larvae, Fupae. Abstract

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USE OF TETHAL TEMPERATURE IN THE STUDY OF EFFECTS OF THERMAL IREATMENTS ON THE DEVELOPMENT OF SEVERAL PRIMARY SEXUAL CRARACTERS IN THE TRIPLOID INTERSEXED DROSOFHILA BELANOCASTER MEIG. (ER) Lauge Paris Soc Riol Compt Rend 161(1):16-21 27 Jun 1967 442.9 P21 Drosophila melanogaster, Heat, Intersexuality, Sex.

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Aedes aegypti, Culex pipiens, Diptera,

Drosophila melanogaster, Extracts, Ovulation.

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Water.
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English summary
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Insect control, Insect genetics, Insect rearing, Reproduction.

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EGG PRODUCTION OF HOUSE-PLY, ADDITS FED BUBAN BLOOD CONTAINING VARIOUS SDPPLEMENTS.
D M Davies E L Anderson Entomol Soc Ontario Proc 97:111-114 REF 1966 420 ON8
Blood, Feed supplements, Pertility, Humans, Insect eggs, Insect nutrition, Musca domestica, Sucrose.

13164-6B
RESPONSES OF AEDES AEGYPTI (L) PROM ALABAMA, GEORGIA AND SODTH CAROLINA TO DOT, DIELDRIN, AND MALATHION.
A D Flynn H F Schoof Mosguito News 27 (4):509-512
Dec 1967 421 885
Aedes aegypti, Culicidae, Ddt, Dieldrin, Insecticides, Malathion, Toxicity.

13165-68
THE EGG-LAYING HABITS OF AEDES AEGYPTI (LINNAEUS) IN CENTRAL TEXAS.
B I Boffmann B F Killingsworth Hospuito News 27(4):466-469
Dec 1967 421 H85
Aedes aegypti, Attractants, Culicidae, Ethyl acetate, Insect eggs.

13166-68
ULV AERIAL INSECTICIDE APPLICATION FOR ADULT MOSQUITO CONTROL.
F W Knapp C H Gayle
Mosquito News 27(4):478-482
Dec 1967 421 885
Aerial spraying, Chemical control (insects), Penthion, Insecticide application, Malathion, Naled, Dltra low volume application.

13167-68

INTEGRATED CONTROL AND PDBLIC HEALTH ENTOHOLOGY. IN: PAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.

H Laird J W Wright 3:77-79, REF.

1966

Integrated control (insects), Medical entomology, Public health.

13168-68
AEDES AEGYPTI AND OTHER MOSQDITOS IN RELATION TO THE DENGUE SYNDRCME.
P F Mattingly

World Health Crgar Bull 36(4):533-535 REF 1967 445.5 kB52F Aedes aegypti, Culicidae, Dengue (man), Insect vectors.

13169-EE
CUBEENT BESTAFCH EY THE USDA OE POTENTIAL SIGNIEICANCE TO
WCRLD-WIDE MCSCUTTC CONTROL.
W C McDuffie L E Weidhaas
Mosquitc News 27(4):447-453 BEF
Dec 1567 421 ME5
Attractants, Eiological control (insects),
Chemical control (insects), Insect repellents, Insecticides.

13170-6E
THE DANGER-INDEX OF THE SYNANTHROPIC FLIES.
F Mibalyi
Acta Zocl (hudagest) 13(3-4):373-377
1967 410 AC65
Diptera, Bullans, Insect pests, Statistical analysis.

3171-68
SEFABRITING THE RUFAL AND URPAN SYNANTEROPIC FLY PAUNAS.
E Mihalyi
Acta Zccl (budafest) 13(3-4):375-383 REF
1567 410 ACE5
Communities, Eiftera, Humans, Insect ecology, Insect pests.

13172-68

NECESSABY FESTABCH AND PRIOFITIES: RESISTANCE TO INSECTICIES. (FE)

J Mouchet WCrld Health Crgar Bull 36(4):653-654
1567 449.9 88928

Aedes aegypti, Insecticide resistant insects, Research.

13173-66
BESISTANCE TO INSECTICIDES IN AEDES AEGYPTI AND BELATED SPECIES. (EB)
J Mouchet
World Health Organ Bull 36(4):569-577 REF
1967 445.5 W852B
Aedes aegypti, Culicidae, Insecticide resistant insects.

13174-68

ULTRA-LCW VOLUME AND CONVENTIONAL ABBIAL SEBAYS FOR CONTROL OF ADULT SALT-MASSE MCSCULTORS, AFDES SOLLICITANS (WALKER) AND AEDES TARNICEBYNCHUS (WIEDEMANN), IN FLORIDA.

G A Mount C'S Lofgren McSguito News 27(4):473-477

Dec 1567 421 M65

Aedes scllicitans, Aedes tachiorhynchus, Aerial spraying, Chemical control (insects), Culicidae, Penthion, Insecticides, Malathion, Naled, Ultra low volume application.

13175-66
NEW INSECTICITES AS NONTHERMAL AFROSOLS FOR CONTROL OF ACULT MOSCULICES.
G A Mount C S Lofgren
Mosguitc News 27 (4): 470-473
Dec 1567 421 M85
Aedes taeniorhynchus, Aerosols, Anotheles guadrimaculatus,
Chemical control (insects), Culex pitiens, Culicidae,
Insecticides.

13176-68
ON THE ECLE OF JAFANESE MOSCUITCES ESPECIALLY OF CULEX PIPITENS FALLENS IN THE TRANSHISSION OF BANCEOPTIAN FILARIASIS. IN: FREGEESS CE MEDICAL FARASITOLOGY IN JAFAN, VOL. 3. K. MCBISHITA, Y. KOMIYA, AND E. MATSUBAYASHI, EDITOBS. 423 M823.
N CMOTI 467-507, REF. 1566
Aedes, Anopheles, Filariasis, Insect vectors. Biblicgraphy, p. 501-507

13177-68
PRELIMINARY OBSEBUATIONS ON THE INCIDENCE AND BIOLOGY OF A MERNITHED NEMATOR OF AFDES SOLLICITANS (WALKER) IN LCUISIANA.

J J Petersen H C Charman D E Woodard Mosquitc News 27(4):493-498
Dec 1967 421 865
Aedes Sollicitans, Culicidae, Nematodes, Parasitism.

13178-68
AEDES AEGYPTI AND HAEBCRRHAGIC FEVER.
A Budnick
World Health Crgar Enll 36(4):528-532 REP
1967 449.5 WB92R

Aedes aegypti, Epidemic hemorrhagic fever, Insect vectors.

13179-68
INITIATION OF THE AEDES AEGYPTI ERADICATION PBOGRAMME OF THE USA.
D J Schliessmann
World Health Organ Bull 36(4):604-609, MAP
1967 449.9 WE92R
Aedes aegypti, Insect control, United States.

13180-68
OBSERVATIONS ON CULEY PIPIENS LARVAE INFESTED WITH VORTICELLA SP.
H Schober
Mosguito News 27 (2):523-524
Dec 1967 421 H85
Culex pipiens, Culicidae, Insect diseases, Larvae, Protozoa, Vorticella.

3181-6B
INSECTICIDES FOR USE AGAINST AEDES AEGYPTI.
A F Schoof
World Health Organ Bull 36(4):618-622
1967 449.9 W892R
Aedes aegypti, Dosage, Insect control, Insecticides,
Larvicides.

3182-68
RESPARCH NEFES AND PRIORITIES: CHEMICAL CONTROL.
H F Schoof
World Health Organ Bull 36 (4):656-657
1967 449.9 WB92B
Aedes aegypti, Chemical control (insects).

131B3-68

BESEARCH NEEDS AND PRIORITIES: GENETIC CONTROL, INCLUDING THE STERILE-BALE TECHNIQUE.
C N Smith
World Realth Organ Rull 36(4):658-659
1967 449.9 W892E
Aedes aegypti, Biological control (insects), Insect control, Insect genetics, Research.

13184-68
POSSIBLE USE OF THE STERILE-MALE TECHNIQUE FOR CONTROL OF ABDES ABGYPTI.
C N Smith
World Health Organ Bull 36(4):633-635 REF
1967 449.9 W892B
Aedes aegypti, Chemosterilants, Insect control, Irradiation, Sex behavior.

3185-68
LABORATORY AND FIELD INVESTIGATIONS OF MOSQUITO POPULATIONS ASSOCIATED WITH OXIDATION LAGOONS IN HISSOURI.
W L Smith W R Enns
Mosquito News 27(4):462-466 REP
Dec 1967 421 M85
Culicidae, Habitats, Insect populations, Water treatment.

13186-68
THE PROSPECTS FOR AEDES AEGYPTI ERADICATION IN ASIA IN THE LIGHT OF ITS ERADICATION IN BRAZIL.
F L Soper
World Bealth Organ Bull 36 (4):645-647
1967 449.9 W892B
Aedes aegypti, Asia, Insect control.

13187-68
AEDES AEGYPTI AND YELLOW FEVER.
F I Soper
World Health Organ Rull 36(4):521-527 MAP
1967 449.9 W892B
Aedes aegypti, Insect vectors, Yellow fever.

N3188-68
CONTBOL OF MOSQUITO ADULTS AND LARVAE WITH ULTBA-LOW VOLUME
APRIAL APPLICATIONS OF RAYGON AND BAYGON-BAYTEX HIXTUBE.

L F Stevens B F Stroud
Mosgnito News 27 (4): 482-485
Dec 1967 421 885
Aerial spraying, Baygon, Chemical control (insects),
Culex restuans, Culicidae, Fenthion, Insect control,
Vnsecticide application, Larvae, Ultra low volume application.

13189-6B

MEASURES TO BE TAKEN TO PREVENT THE TRANSMISSION OF AEDES AEGYFTI BY SEA AND AIB.
P De Tavel
World Realth Organ Rull 36(4):639-644 BEF

PAGE 13

13191-68

10 13190-6B

1967 445.5 k852B Medes aegypti, Mircraft disinfestation, Insect control, Insect dissemination, Insect vectors, Ships.

13190-66 THE LABVICIDAL ACTIVITY OF SEVERAL LIQUID DETERGENTS AND QUATERNARY AMECAIDS COMPOUNES. B 1 Taylor B F Schoof Mosquite News 27(4):486-487 Dec 1567 421 M65 Addes aegypti, Aedes triseriatus, Ambonium compounds, Anopholes guadrimaculatus, Culex guinguefasciatus, Culicidae, Detergents, Larvicides.

20 CROP PROTECTION

A.V.C. AGBEFGBT. 2. Anonymous Addr Vet Chem B (5):117-123 Sep 1967 382 AGB2 Chemical control (insects), Chemical control (plant diseases), Citrus, Crops, Insect pests, Pesticides, Rice. 13192-6B INDEX OF PHYTOSANITARY PRODUCTS, CATALOG OF ACTIVE MATERIALS AND COMMERCIAL SPECIALTIES. ED. 6. S585.AB2 1967. (FE 243 F PARIS. 1967 1967 Indexes, Pesticides, Plant pest control. 13193-6B DISPASES AND PABASITES OF THE VINE. ED. 3. SB609.G7 L3 1966. (FR) J Lafon P Couillaud E Hude 1,324 F. PABIS, EAILLIERE 1966 Grapes, Insect pests, Plant diseases, Plant pest control. 13194-6B BIOLOGICAL METHODS IN CROP PEST CONTROL. SB975.U7. G Ordish 242 F. 1967 CONSTABLE, LONDON Biological control (insects), Biological control (pests), Biological control (weeds).

13195-6B
PROGNOSIS AND SIGNALIZATION AS BASIS IN PEST AND DISEASE CONTEOL. (BD)
P FOFOV
Rast Zasbcb 15(6):2-4
1967 423.92 SO2
Plant disease control, Plant pest control.

13196-68
CLOSED QUARANTINE FROCEDDRES.
P M L Sheffield
Rev Appl Mycol 47(1):1-8 REF
Jan 1968 450 R328
Plant pest control, Plant guarantine.

Diseases

13197-68
GENERAL AND SPECIFIC COMBINING ABILITY IN SEVEN INBRED STRAWERERY LINES.
L P Aalders D L Craig
Can J Genet Cytol 10(1):1-6 BEF
Mar 1968 443.B C 16
Plant disease resistance, Plant genetics,
Powdery mildew (strawberries), Strawberries.

1319B-68
A BURIED MEMBRANE FILTER METHOD POR STUDYING BEBAVIOR OF SOIL FONGI.
P B Adams
Phytopathology 57(6):602-603 REF
Jun 1967 464.B P56
Pilters, Soil microbiology, Thielaviopsis basicola.
Abstract:
the method can be used to stndy propagule germination and development, and hyphal lysis in soils with varions amendments under varying conditions.

13212-68

13199-EE
DISFASES OF FOREST FLANTINGS IN SIRFBIA. SB761 .A35. (RUS)
80 F. NAUKA, MOSKVA
1967
Tree diseases, USSE.

13200-66
CHANGES IN CYTOFLASM AND CFII WALL MATERIAL; AN ANATOMICAL AFFECACE TO THE MECHANISM OF FUNGAL INFECTIONS IN PLANTS.
IN: MIBCCHA, C. J., AND DETIANI, I., FD. THE DYNAMIC BELF OF MCIFCULAF CONSTITUENTS IN PLANT-PABASITE INTERACTION. PECCFFLINGS, CONFEDENCE HFID MAY 15-21, 1966, GAMAGEL, JAFAN. SEG11.CE.
S Akai F Eukutomi N Ishida H Kunoh
1-20 FEF AMFRICAN FHYTOFATHOLOGICAL SOCIETY
1967
Fungus diseases (flants), Spore germination.

13201-68
INFLUENCE OF ENVIRONMENTAL TEMPERATURES ON METABOLIC ALTERATIONS FELATEL TO LISEASE RESISTANCE IN SWEET POTATO BOOTS INFECTEDE BY FIACK SCT.
T Akazawa I Uritani
Phytogathology 51(10):668-674, EIBL. 673-674
Oct 1961 464.8 P56
Black rct (sweetpotatoes), Flant disease resistance,
Flant metabolism, Sweetpotatoes, Temperature.

13202-68
THE FEFFCI OF GIEFFBILLA ZEAF ON THE FERMEABILITY OF FCTATC TOFFE TISSDE.
L Algera A C Van Der Burg N J Fokkema
Neth J Flant Fathol 73(4):105-111
1967 464.6 144
Fungus diseases (flants), Gibberella zeae, Potatoes.
English and Dutch summaries
Abstract

13203-66
ATLAS OF DISEASES AND PESTS OF VEGETABLES. SE731. A4. (pol)
S Alwid
103 F. FANSTWOME WYDAWNICTWO BCLNICZE I LESNE, WARSZAWA
1967
Atlases, Insect fests, Plant diseases, Vegetables.

13204-68
EFFECT OF ANTAGONISTS ON GROWTH AND SURVIVAL OF BHIZOCTONIA SCIANT IN SCII.

K F Faker M T Flentje C M Olsen H M Stretton Phytograthology 57(6):591-597 RFE
Jnn 1967 464-8 F56

Jnn 1967 464.8 F56
Ebizoctchia solani, Boot rot (wheat), Soil microbiology,
Steam, wheat.

the recommended exposure to acrated stream at 60 G for 30 min, has proved a reasonable compromise, the usual treatment of 100 C for 30 min, on the other hand, destroys most of the antagonists.

13205-6E
ECOLOGY OF FLANT FATHOGENS IN SCIL. VII. MATHEMATICAL MCDFLS ABC INCCULTM DENSITY.

B. Faker C L Maurer B A Maurer Phytograthology 57(7):662-666
Jul 1967 464.6 F56
Ecology, Mathematical analysis, Plant diseases, Scil microorganisms.
Abstract

13206-6F
AFFIE LATENT VIBDS 2 IS SOWEANE MOSAIC VIRUS.
J B Bancroft S A Tolin
Fhytcfathclogy 57(6):639-640
Jun 1967 464.8 F56
Afples, Latent virus (afples), Mosaic (chenopodinm).

3207-6B
FEOFERIIES OF WHITE CLOVER MCSAIC VIBUS FROM INDIANA.
J B Bancroft J Tuite G Bissong
Phytogathology 50(10):711-717, TABS.
Oct 196U 464.8 F56
Indiana, Mosaic (white clover), Virns diseases (plants).

13208-66
ALTERATION OF CELI WALL COMECNENTS DDBING PATHOGENESIS BY BHIZOCTCNIA SCLANI. IN: MIRCCHA, C. J., AND URITANI,
I., FL. THE DYNAMIC BOLF OF MOLECULAR CONSTITUENTS IN PLANTFARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 1521, 1966, GAMAGOBI, JAFAN. SF611.C6.
D F Bateman

58-79 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY 1967 Beans, Cell wall, Enzymes, Microorganisms, Rhizoctonia solani, Soil-horne plant diseases.

13209-68
DISPASES IN FOREST PLANTATIONS: THIEF OF TIME.
D V Eaxter
Cranbrook Inst Sci Bull 251 P., MAPS, BEF.
1967 410.9 CB5E
Forest regeneration (artificial), Tree diseases.

13210-68

PARTIAL INFECTION WITH POTATO VIRUS YN OF TUBERS FROM FRIMARILY INFECTED POTATO PLANTS.

A B E Beemster
Neth J Plant Pathol 73(516):161-164
1967 464.8 T44

Potatoes, Virus diseases (flants), Virus yn (potatoes).
Dutch summary
Abstract

13211-68

EFFECTS OF BEMOVAL OF LEAVES AND TOPS ON TRANSLCCATION OF POTATO VIBUS X AND POTATO VIBUS YN IN POTATO PLANTS.

A B R Beemster
Neth J Plant Pathol 73(516):139-146
1967 464.8 T44
Plant translocation, Potatoes, Virus diseases (plants), Virus X (potatoes), Virus yn (potatoes).

Dutch summary Abstract

THE FHOMA ORGANISMS CAUSING GANGRENE OF POTATOES.
G H BOOTEMA
Heth J Plant Pathol 73(516):190-192
1967 464.8 T44
Dry rot (potatoes), Fungus diseases (plants), Fhoma, Potatoes.
English and Dutch summaries
Abstract

13213-6B
ELECTRON MICROSCOPY OF PLANT VIRDSES; BIBLIOGRAPHY
1939-1965. (GE)
J Brandes
Berlin Biol Bundesanst Land-forstwirtsch Mitt 122,91 P
1967 410.9 G31M
Bibliography, Electron microscopy, Virus diseases (plants).

13214-68
CRYOGENIC STOBAGE OF CONIDIA OF PERONOSPORA TABACINA.
(ABSTRACT).
K B Fromfield
Phytogathology 57(7):644
Jul 1967 464.8 P56
Cryogenics, Fungus diseases (plants), Peronospora tabacina,
Plant bardiness, Tobacco.

13215-68
SYMPTOMS OF CERCOSPORA LEAF SPOT OF SDGAR BEETS INFLUENCED
BY LIGHT INTENSITY.
L Calpouzos G F Stallknecht
Phytopathology 57(7):799-800
Jul 1967 464.B F56
Cercospora heticola, Leaf spot (sugar heets), Light.

13216-68

PPPECTS OF THREE SOIL-INHABITING PDNGI ON AXENIC PEANUT PLANTS. (ABSTRACT).

C T Chang C Pordyce
Phytopathology 57(7):644
Jul 1967 464-8 P56
Aspergillus flavus, Fungus diseases (plants), Peanuts,
Soil fungi, Streptomyces griseus, Trichoderma.

13217-68
NPLUENCE OF COPPER AND ZINC ON THE INCIDENCE OF POTATO SCAB.
K C B Chaudhary
Neth J Plant Pathol 73(2):49-51
1967 464.8 T44
Copper, Fungus diseases (plants), Scab (potatoes),
Streptomyces scabies, Zinc.
Dutch SDMBBARY

13218-68
STUDIES ON THE PHYSIOLOGIC BACES OF THE BICE BLAST FUNGDS,
PIBICDLABIA OBYZAE CAV. S8608. R5 C5.
C C Chien

20 13219-68

92 F. (MIMECGRAFUED) TAIPEI, TAIWAN, CHINA 1967 Blast (rice), Firicularia oryzae. Taiwan Agricultural Research Institute Department of Plant Pathology ccoperating.

13219-68

3219-68
INFLUENCE OF SUBSTANCES AND SOIL TREATMENTS ON THE GERMINATION OF STORMS OF THE GERMINATION OF THE GERMINAT Abstract:

apparently, ascorbic acid neutralized fungistatic substances in scil; mclasses acted directly as a nutrient on the spores to evercome scil fungistasis; and hydrochloric acid solubilized the fungistatic substances which subsequently were removed by washing.

SUMMARY OF THE PREVALENCE OF PLANT DISEASES IN CANADA IN 1965. A COMFILATION. D & Creelman Can Plant Dis Surv 47(2), 31-71 Jun 1967 464.9 C16S Plant diseases.

13221-68

NATURAL ENEMIES OF RUST FUNGI IN THE TROPICS. (ABSTRACT). J L Cunningham Phytogathology 57(7):645 Jul 1967 464.8 P56 Reneficial insects, Cyperaceae, Pungus diseases (plants), Grasses, Kites, Predaceous fungi, Uredinales.

INFLUENCE OF SPRINKLER IREIGATION AND FOUR FORAGE CROPS ON POPULATIONS OF SOIL MICROORGANISMS INCLUDING THOSE ANTAGON-ISTIC TO SCLEROTIUM RCLFSII SACC. E A Curl E A CUTI Flant Dis Rep 45(7):517-519 15 Jul 1961 1.9 P69P Porage plants, Irrigation, Scherotium rolfsii Sacc., Soil microorganisms, White clover.

13223-68

ELECTRON MICRCSCOFIC OBSERVATIONS ON HAUSTCRIA ISOLATED PROM CUCUMEER LEAVES INFECTED WITH POWDERY MILDEW. H M Dekhuijzen C Van Der Scheer Neth J Flant Fathol 73(4):121-125 REF 1967 464.8 144 Cucumbers, Electror microscopy, Fungus diseases (plants), Powdery mildew (cucumbers).
English and Dutch summaries

13224-68

INFLUENCE OF CERTAIN EXOASCIDS ON DEVELOPMENT OF THE EPIDER-HIS AND THE PCLIAG STOMATIC APPARATUS OF THEIR ROSTS. (FR) D Demuynck J Meyer Marcellia 34(1):31-44 Mar 1967 421 M33 Epithelium, Fungus diseases (plants), Plant physiology, Stomata.

13225-68

PHYSICLCGY OF WILT DISEASE. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF HOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GEAMAGORI, JAPAN. SE611.R6.

A E Dimond 100-120 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY 1967 Cotton, Plant water relations, Tomatoes, Wilt, Xylem.

13226-6R

SOLUTE AND WATER RELATIONS DURING INPECTION. II. OFLIGATE PARASITES: EFFECT ON THE MOVEMENT OF SOLDTES AND WATER. IN: MISOCHA, C. J., AND UBITANI, I., ED. THE DYNAMIC ROLE OF MCLICULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAFAN. SE611.C6. D Durbin 80-99 REP AMERICAN PHYTOPATHOLOGICAL SOCIETY 1967 Beans, Parasitism, Plant diseases, Plant translocation, Plant water relations.

13227-68 PACTORS DETERMINING RESISTANCE OF ELMS TO CERATOCYSTIS OLMI. D M Elgersma Phytopathology 57(6):641-642
Jun 1967 464.8 P56
Ceratocystis ulmi, Dieback (ulmus), Plant disease resistance, Tree diseases, Ulmus hollandica.

REACTIVITY OF TORACCO MOSAIC VIRUS AND ITS PROTEIN TOWARD

REACTIVITY OF TORACCO MOSAIC VIRUS AND ITS PROTEIN TOWARD ACETIC ANHYDRIDE.

H Fraenkel-Conrat M Colloms
Biochemistry 6(9):2740-2745
Sep 1967 3B1 B523
Acetic anhydride, Glycyltyrosine, Mosaic (tobacco), Proteins,
Tobacco mosaic virus, Virus diseases (plants). Abstract

THE SMALL BERRY SAWPLY (PRISTIPHORA PALLIPES LEP), A LESSER KNOWN PEST OF GOOSEBERRIES. (DU) A V Frakenhuyzen Entomol Ber 27(2):21-24 01 Peb 1967 420 N38R Gooseberries, Holocremnus canaliculatus, Parasitic insects, Pristiphora Fallipes. English summary.

13230-6R

3230-68
EFFECTS OF TOMATO RINGSPOT VIRUS PLANT AND PRUIT
DEVELOPMENT OF RASPBERRIES.
J A Preeman R Stace-Smith
Can J Plant Sci 46(1):25-29
Jan 1968 45D C16
Plant physiology, Raspberries, Ring spot (raspberries),
Virus diseases (plants).

13231-68

MICRO-ORGANISMS IN THE ROOT REGION OF WHEAT, LITERATURE REVIEW. (GE) W Gams Berlin Biol Bundesanst Land-forstwirtsch Mitt 123,77 P. REF Jun 1967 410.9 G31M Fungus diseases (plants), Reviews, Soil microorganisms, Wheat. English summary

13232-68

SOME ASPECTS OF THE BARLEY YELLOW DWARF VIRUS DISEASE IN MANITORA. C C Gill Entomol Soc Manitoba Proc 22:25 1966 420 EN88 Barley, Canada, Virus diseases (plants), Yellow dwarf (barley).

13233-68

RUTT ROT IN YELLCH-POPLAR SEEDLING-SPROUT STANDS. J H Ginns R P True 13 (4):440-447 REF Dec 1967
Butt rot (trees), Liriodendron tulipifera, Seedlings, Tree diseases. Abstract

13234-6B THE RIOCREMISTRY AND PHYSIOLOGY OF INFECTIOUS PLANT DISEASE. SB601 .G6. R N Goodman Z Kiraly M Zaitlan 354 P. REF.D. VAN NOSTRAND CO. PRINCETON NEW JERSEY

1967 Plant biochemistry, Plant diseases, Plant physiology.

13235-68

TIBE OF STEM RUST APPEARANCE ON WHEAT IN THE WESTERN MISSISSIPPI RASIN IN RELATION TO THE DEVELOPMENT OF EPIDEMICS FROM 1921 TO 1962.

L M Hamilton E C Stakman Phytopathology 57(6):609-613 Jun 1967 464.8 P56 Puccinia graminis tritici, Stem rust (wheat). Minnesota Agricultural Experiment Station cooperating. annual dates are listed for the first appearance of stem rust on wheat in six selected areas. epidemics did not occur in all early-rust years because of lack of one or more of the variables conducive to severe rust. 13236-68
MITOCHONDRIAL ACTIVITIES OF DETACHED TOBACCO LEAVES INFECTED
WITH TOEACCO MCSAIC VIRUS: THE POSSIBLE SOUNCE OF ENERGY FOR
VIRUS MULTIFLICATICN. IN: MIROCHA, C. J., AND URITANI,
I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN
PLANT-PARASITE INTERACTION; FBOCEEDINGS OF A CONFERENCE HELD
MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.C6.
T Hirai T Takahashi
270-282 REF AMERICAN FHYTOPATHOLOGICAL SOCIETY
1967
Mitochondria, Tohacco, Tobacco mosaic virus.

3237-68
HEAT TREATMENT AND MERISTEM CULTURE FOR THE PRODUCTION OF VIRUS-FREE FLANT MATESTAL.
J G Ten Bouten F Quak F A Van Der Meer
Neth J Flant Fathol 74 (1):17-24 REF
1968 464.8 144
Heat, Plant disease control, Tissue culture,
Virus diseases (plants).
Dutch summary
Abstract

1323B-68
HISTCLOGY OF CBONARTIUM QUERCUUM GALLS ON SBORTLEAF PINE. F J Jewell N M Walker
Phytogathology 57(6):545-55D BEF
Jun 1967 464.B P56
Cronartium guercuum, Pinus echinata, Plant galls,
Tree diseases.
Abstract

3239-68

PFFECT CF FUCCINIA RECONDITA INFECTION ON THE RNA
COMFOSITION OF WHEAT LEAVES.

L B Jchnson P P Zscheile B L Brannaman
Phytogathology 57(6):632-638 REF
Jun 1567 464.8 P56

Fungus diseases (Flants), Puccinia recondita,
Ribonucleic acid, Stem rust (wheat), Wheat.
Abstract:
as disease developed, total RNA nucleotide content dropped
below that of healthy leaves. individual RNA nucleotide
contents changed differently with rust development.

1324D-6B
POLYMERIZATION-DEFOLYMERIZATION OF TOBACCO MOSAIC VIRUS
FBOTEIN. X. EFFFCT OF D2O.
M T M Khalil M A Lauffer
Bicchemistry 6(8):2474-2480 REF
Aug 1967 381 E523
Heavy water, Mosaic (tobacco), Polymerization, Proteins,
Viruses.
Abstract

13241-68
CERCOSPCRA LEAP FLECK DISEASE OF BEETS. (GE)
R Krexner
Vienna Eundesanst Pflanzenschutz Flugbl 22, 3 P.
1966 464.9 V672F
Cercospora teticola, Fungus diseases (plants),
Leaf spct (sugar beets).

13242-68
INFLUENCE OF POTASSIUM CHLORIDE ON THE INTERRELATIONSBIP OF FUNGI AND A NEMATODE IN ALFALFA ROOTS. (ABSTRACT). V D Kushner H W Crittenden Phytograthology 57(7):646
Jul 1967 464.8 P56
Alfalfa, Fungus diseases (plants), Fusarium, Meloidogyne incognita acrita, Plant nematodes, Potassium chloride.

13243-68
SOYBEAN BOOT AND STEM ROT CAUSED BY RHIZOCTONIA SOLANI, 1966.
R C Lambe J M Dunleavy
Plant Dis Rep 51(10):872
Oct 1967 1-9 F69P
Rhizoctonia solani, Boot rot (soybeans), Soybeans,
Stem rot (soybeans).

13244-68
THE EFFECT OF PAVORABLE PEBIODS FOB INFECTION ON DEVELOPMENT OF STEM RUST IN PIELD PLOTS OF WHEAT. (ABSTRACT).
R F Line C E Feet C H Kingsolver
Phyterathclogy 57(7):647
Jul 1967 464.B P56
Humidity, Stem rust (wheat), Temperature.

3245-68
EFFECT OF THIELAVIOPSIS BASICOLA ROOT ROT OF COTTON ON INCIDENCE AND SEVERITY OF VERTICILLIUM WILT.
D E Mathre B H Garber A V Ravenscroft
Phytopathology 57(6):604-608 REF
Jun 1967 464.8 P56
Root rot (cotton), Thielaviopsis basicola,
Verticillium albo-atrum, Wilt (cotton).
Abstract:
field studies confirmed greenhouse results that low to
medium levels of T. basicola do not increase the incidence
or severity of Verticillum wilt symptons in Acala 4-42
cotton.

13246-68
EFFECT OF SOIL MOISTURE AND SOIL TEMPERATURE ON BLACK
SHANK DISEASE DEVELOPMENT IN TOBACCO.
S M McCarter
Phytopathology 57(7):691-695 REP
Jul 1967 464.B P56
Black shank (tobacco), Crop varieties,
Phytophthora parasitica nicotianae, Plant disease resistance,
Soil moisture, Soil temperature.
Abstract

3247-68
DIFFERENTIAL RESISTANCE OF CELL WALLS OF ACER PSEUDOPLATANUS, TRITICUM VULGARE, HORDEUM VULGARE, AND ZEA
MAYS TO FOLYSACCHARIDE-DEGRADING ENZYMES.
J M McNab D J Nevins F Albersheim
Phytopathology 57(6):625-631 REF
Jun 1967 464.8 P56
Barley, Cell wall, Colletotrichum lindemuthianum, Corn,
Enzymes, Plant disease resistance, Polysaccharides, Wheat.
Ahstract:
it was found that these enzymes degrade the varions samples
differently removing specific sugars in each case, thns,
cell walls with similiar compositions are differentially
attacked by enzymes, a factor which may contribute to
variable disease resistance.

13248-68
TBE DYNAMIC ROLE OF MOLECULAR CONSTITUTUENTS IN PLANT-PARASITE INTERACTION; FROCEEDINGS OF A CONFERENCE BELD NAY 15-21
1966 AT GANAGORGI, JAPAN. SB611.C6.
C J Mirocha I Uritani
372 P. REF
1966
Molecular biology, Parasitism, Plant anatomy, Plant diseases.

13249-6B
BIOCHEMISTRY OF VIRUS INPECTION. V. CHANGE IN NUCLEAR CONTENT OF HOST CELLS INPECTED BY VIRUS. IN: HIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTEBACTION. PBOCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.C6. T Misawa S Kato 256-269 REP AMERICAN PHYTOPATHOLOGICAL SOCIETY 1967
Biochemistry, Cells, Tobacco, Virus diseases (plants).

13250-68
EFFECT OF CALCIUM NUTRITION ON BLACK SHANK OF TOBACCO.
(ABSTRACT).
L D Moore W H Wills
Phytopathology 57(7):647
Jul 1967 464.8 P56
Black shank (tohacco), Calcium, Fungus diseases (plants),
Phytophthora parasitica nicotianae, Plant disease resistance,
Tobacco.

13251-68

EXPEBIMENTS ON CONTROLLING STRAWBERRY BOTRYTIS ROT BY SPRAY-ING. SB953.46.

M H Moore A H H Kirby M Bennett
116-120 REF
1966

Botrytis, Pungicides, Plant disease control,
Rot (strawberries), Strawberries.

13252-68
ROW PLANTS FIGHT DISEASE.
K O Mnller
Sci J 2(5):57-61
May 1966 Q1.534
Fungus diseases (plants), Plant disease resistance.

20 13253-68 13253-68

SPECIES ON CNION. D Netzer I Dishon

PACTURE 1 DISHORD
Phytopathology 57(7):795-796
Jul 1967 464.8 P56
Rotrytis allii, Botrytis cinerea, Culture media, Onions.

13254-68
PACTOES AFFECTING TBANSHISSICN OF TRISTEZA VIRUS FY MELON AFHIDS.
P A Norman
J Econ Entocol 61(1):238-242 REF
Peb 1566 421 J822
Apris gossyfii, Food plants, Bost indexing (plants),
Indicator plants, Insect behavior, Insect populations,
Insect vectors, Plant disease transmission, Tristeza (citrus),
Virus diseases (plants).

SELECTIVE MEDIA TO DISTINGUISH EETWEEN TWO ROTRYTIS

Abstract

13258-68

13255-68
RCLE CP PARASITE ENZYME AND TOXINS IN DEVELOPMENT OP CHARACTERISTIC SYMFIOMS IN PLANT DISEASE. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OP MOLECULAR CONSTITUENTS IN FLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. S8611.C6. H Gku
237-255 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Enzymes, Farasitise, Plant diseases, Toxins.

13256-66
COMFARATIVE SURVIVAL OF MONOBASIDIAL CULTURES OF THANATEFHCRUS CUCUHERIS IN SCIL.
C M OIsen N T Flentje K F Raker
Phytopathclogy 57 (6):598-601 REF
Jun 1967 464.8 P56

Shizoctonia solani, Soil microbiology, Steam, Thanaterhorus cucumeris.

Abstract: the survival ability of the isolates was not related to their compatibility, since one of the best snrvivors anastomcsed with one of the poorest.

13257-68
J W Cswald
Phytopathology 50(7):5U4-5U8
Jul 1960 464.8 P56
Agricnltural education, Plant diseases.

A QUANTITATIVE ASSAY METHOD FOE OPSERVING AND ENUMERATING FROFAGUIES OF BOOT-INFECTING FUNGI. (ARSTRACT).

G C Papavizas Phytopathology 57(7):648
Jul 1967 464.8 P56
Pungus diseases (plants), Fusarium, Helminthosporium, Roots, Seedlings, Soil fungi, Thielavicpsis.

13259-68
SUSCEPTIRILITY OF PEHRESS OF THE ROSACEAE TO RACES OF PHYTOGETHORA FRAGARIAE.
H S Pepin
Phytogathology 57 (7):782-784
Jul 1967 464.8 P56
Phytoghthora fragariae, Plant disease resistance, 8osaceae.
Abstract

13260-68
CHENOFODIUM QUINCA, A HERRACEOUS TEST PLANT FOR CHLOROTIO LEAF SPCT VIRUS IN APPLE.
H J Pfacitzer
Neth J Flant Fathol 74(1):12-16
1968 464.8 144
Chlorotic leafsfot (apples), Virus diseases (plants).
Dutch summary
Abstract

13261-68

NOTE CN THE EFFECT OF N, P, AND K IN SEVERAL ALBERTA SOILS ON THE RESISTANCE OF GATEBAY BABLEY TO THE NET BLOTCH DISEASE.

L J Piening Can J Plant Sci 47(6):713-715

Now 1967 45U C16

Rarley, Crof warieties, Fnngns diseases (plants), Net blotch (barley), Nitrogen, Phosphorns, Potassium, Pyrenophora teres.

13262-68

REACTIONS OF PEACH THEES AND PEACH TREE VIRUSES TO TREATMENT WITH DIMETHYL SULFORIDE AND OTHER CHEMICALS.

T S Pine
Phytopathology 57 (7):671-673
Jul 1967 464.8 P56
Dimethyl sulfoxide, Formaldehyde,
Necrotic ring spot (peaches), Peaches, Virucides,
Virus diseases (plants).
Abstract

13263-68
QUALITATIVE AND QUANTITATIVE ASPECTS OF THE GRADUATE
CURRICULUM IN PLANT PATHOLOGY.
G S POUND

QUALITATIVE AND QUANTITATIVE ASPECTS OF THE GRADUATE CURRICULUM IN PLANT PATHOLOGY.
G S Pound
Phytopathology 50 (7):500-504
Jul 1960 464.8 P56
Agricultural education, Plant diseases.

3264-68
SOME PROPERTIES OF A GERMINATION INHIBITOR PROM PUCCINIA SORGHI UREDOSPORES. (ARSTRACT).
N J Pritchard
Phytopathology 57 (7):648
Jnl 1967 464.8 P56
Plant growth inhibitors, Paccidia sorghi.
A self-inhibitor.

13265-68
DIPPERENCES IN AGGRESSIVENESS BETWEEN THV-ISOLATES PROM TOMATO ON CLONES OF LYCOPERSICUM PERUVIANUM.
A T 8 Rast
Neth J Plant Pathol 73(516):186-189
1967 464.8 T44
Mosaic (tomatoes), Tobacco mosaic virus, Tomatoes, Virus diseases (plants).
English and Dutch summaries

13266-68
YIELD OF GLASSHOUSE TOMATOES AS APPECTED 8Y ST8AINS OP TORACCO MOSAIC VIRUS.
A T 8 Rast
Neth J Plant Pathol 73 (516): 147-156 REP
1967 464.8 T44
Crop yields, Greenhouse culture, Hosaic (tomatoes),
Tobacco mosaic virus, Tomatoes, Virus diseases (plants).
Dutch summary
Abstract

13267-68
INCIDENCE IN THE CULTURE OF OIL PALM OF PUSARIUM POPULATIONS IN THE SOIL OF THE SAVANNA IN THE LOWES IVOST COAST. (FR)
J L Renard
Rev Mycol 32 (3):211-227 REP
Nov 1967 450 AN74
African oilpalm, Pusarinm, Savannas, Soils.
Abstract

13268-68
PURIPICATION AND PHYSICOCHEMICAL PROPERTIES OF THE MISCONSIN PEA STREAK VIRUS.
E Rosenkranz D J Hagedorn
Phytopathology 57(6):551-558 BEF
Jun 1967 464-8 P56
Streak (peas).
Abstract

13269-68
LINKAGE STUDIES ON THE RESISTANCE TO RACTERIAL LEAP SLIGHT,
LANTHORONAS OSYZAE (UYEDA ET ISHIYAMA) DOWSON, IN RICE. (JA)
S Sakaguchi
Tokyo Nat Inst Agr Sci Sull Ser D 16:1-18 REP
Peb 1967 451 Cu33
Racterial leaf blight (rice), Plant disease resistance,
Plant genetics, Rice, Ianthomonas.
English snmmary
Abstract

13270-68

EVALUATION OF THE RELATIVE IMPORTANCE OF SOIL AND SEED AS SOURCE OF THE INOCULUM OF SILVER SCURP OF POTATOES BY MEANS OF A REPRESSION TEST. (PR)

J Santree

Can J Plant Sci 47(6):695-702 REP

NOV 1967 450 C16

Fungns diseases (plants), Plant disease transmission, Potatoes, Seeds, Silver scnrf (potatoes), Soils, Spondylocladinm atrovirens.

English and Prench abstracts

13271-68
PATHOGEN-PRODUCED DETERMINANTS OF DISEASE AND THEIR EPPECTS ON HOST FLANTS. IN: MIROCHA, C. J., AND ORITANI, I., ED. THE DYNAMIC BOLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. FROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SE611-C6.

R P Scheffer B R Fringle 217-236 REF AMERICAN FHYTOPATHOLOGICAL SOCIETY 1967
Host specificity, Microorganisms, Plant diseases.

13272-68
PURIFICATION OF TURNIP MOSAIC VIRUS.
R J Shepherd G S Fonnd
Phytogathclogy 50 (11):797-803
Nov 1960 464.8 P56
Mosaic (thrnips).

13273-68

POLYMERIZATION-DEFCLYMERIZATION OF TORACCO MOSAIC VIRUS FRCTEIN. VIII. LIGHT-SCATTERING STUDIES.

C F Smith H A Lauffer Riochemistry 6(8):2457-2465 REP Ang 1967 381 B523
Light scattering, Mosaic (tobacco), Polymerization, Proteins, Viruses.

3274-68
INFLUENCE CP HOST-FARASITE INTERACTIONS ON PROTEINS
ENZYMES, AND BESISTANCE. IN: HIROCHA, C. J., AND URITANI,
I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN
PLANT-PARASITE INTERACTION. PROCEEDING, CONFERENCE HELD
MAY 15-21, 1966, GAMAGOBI JAFAN. SR611.C6.
M A Stabmann
357-372 REP AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Enzymes, Host specificity, Parasitism,
Plant disease resistance, Plant proteins, Sweetpotatoes.

INPLUENCE OF LIGHT INTENSITY ON THE REACTIONS OF WHEAT AND RARLEY SEEDLINGS TO PUCCINIA STRIIFORMIS.

R W Stuths
Phytorathology 57(6):615-617 REF
Jnn 1967 464.8 P56
Rarley, Pungus diseases (plants), Light, Puccinia striiformis, Stripe rust (grain), Wheat.
Abstract:
light intensity, both of daylight and of artificial lights influences the response of some wheat varieties to infection with Fuccinia striiformis. the effect is an increase in

light intensity, both of daylight and of artificial lights influences the response of some wheat varieties to infection with Fuccinia striiformis. the effect is an increase in infection type by reduction of light intensity, as displayed by the wheat varieties Carsten's V. Chinese Spring, and Cappelle Desprez. a reverse effect is shown by the barley variety Topper when daylight decrease in autumn and winter.

13276-68

SCHE FROPERTIES OF TRE DOURLE-STANDARD RNA OF RICE DWARP VIRUS. IN: MIEOCRA, C. J., AND URITANI, I., ED. THE DY-NAMIC RCLE CF HOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CCNPEERCE HELD MAY 15-21, 1966, GAMAGOEI, JAPAN. SR611.C6.

N Suzuki
300-312 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY 1967
Dwarf disease (rice), Rihonncleic acid, Rice, Virus diseases (plants).

3277-68
TRE RIOCHEMISTRY OF PLANT VIRUS INPECTION. IN: MIROCHA,
C. J., AND UBITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR
CONSTITUENTS IN PLANT-PARASITE INTERACTION; PROCEEDINGS OF A
CONFEDENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN.
SE611.C6.
W N Takahashi
283-299 REP AMERICAN FHYTOPATHOLOGICAL SOCIETY
1967
Riochemistry, Virus diseases (plants).

3278-68
RIOCHEMICAL RESPONSE OP PLANTS TO TOXINS PRODUCED RY THE
RICE ELAST FUNGUS. IN: MIROCRA, C. J., AND URITANI, I.,
ED. THE DYNAMIC RCLE OF MOLECULAR CONSTITUENTS IN PLANTPARASITE INTERACTICN. PROCEEDINGS, CONPERENCE HELD MAY 1521, 1966, GAMAGOSI, JAPAN. SR611.C6.

K Tamari N Ogasawara J Kaji 203-216 REP AMERICAN PHYTOPATHOLOGICAL SOCIETY 1967 Rlast (rice), Fungus diseases (plants), Picolinic, Piricularia oryzae, Piricularin, Rice, Toxins.

13279-6R
PRASER OATS.
D K Taylor
Can J Plant Sci 48(1):107
Jan 196R 450 C16
Crop varieties, Fungus diseases (plants), Oats,
Plant disease resistance, Smut (oats), Stem rust (oats).

13280-6R
RLACK-POD DISEASE OF THEORROWA CACAO. (ARSTRACT).
C A Thorold
Rev Appl Mycol 46(5):225-237 REF
May 1967 450 R328
Rlack pod (cacao), Fungus diseases (plants),
Phytophthora palmivora.

13281-68
STUDIES ON THE RIOLOGY OF ROTRYTIS ALLII ON ALLIUM CEPA.
G M Tichelaar
Neth J Plant Pathol 73(5/6):157-160
1967 464.8 T44
Rotrytis allii, Fungus diseases (plants), Neck rot (onions),
Onions.
Dutch Summary
Abstract

132R2-68

THE RELATION OF METAROLIC CHANGES IN INPECTED PLANTS TO CHANGES IN ENZYMATIC ACTIVITY. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONPERENCE RELD MAY 15-21, 1966. SR611.C6.

I UTITANI T ASABI T MINABULAWA H HYODO K OSHIBA M KOJIBA 342-356 REP AMERICAN PHYTOPATHOLOGICAL SOCIETY 1967
Enzymes, Plant diseases, Plant metaholism, Sweetpotatoes.

13283-68
THE OCCURRENCE OF ACID HYDROLYZARLE PHENOLICS IN RELATION TO FUSARIUM WILT DISEASE IN TOMATO PLANTS.
L Van Den Briel
Neth J Plant Pathol 73(4):126-128
1967 464.8 T44
Pungus diseases (plants), Pusarium, Phenols,
Plant biochemistry, Tomatoes, Wilt (tomatoes).
English and Dutch summaries
Abstract

13284-68
STUDIES ON ROTRYTIS CINEREA IN TOMATOES INPLUENCE OP
METHODS OF DELEAPING ON THE OCCURRENCE OF STEM LESIONS.
K Verhoeff
Neth J Plant Pathol 73 (4):117-120
1967 464.8 744
Botrytis cinerea, Fungus diseases (plants), Tomatoes.
English and Dutch summaries
Abstract

13265-68
ISOLATION, INCIDENCE, AND VIRULENCE OF ASCOCHYTA SPP. OF PEAS PROM TRE SOIL.
V R Wallen S I Wong J Jeun
Can J Rot 45 (12):2243-2247 REF
Dec 1967 470 C16C
ASCOChyta, Fungns diseases (plants), Peas.
Abstract

132R6-68
THE DETERMINATION OF DDT DEPOSITED ON COTTON PLANTS IN AN AIRSPRAY TRIAL IN TANZANIA.
D J Webley R R Parish
Arnsha Trop Pesticides Res Inst Misc Rep 598,11 p
Jan 1967 423.92 G7922
Aerial spraying, Cotton, Ddt, Heliothis armigera, Persistence.

13287-68

THE STEMPHYLIUM LEAF SPOT COMPLEX ON BLUE LUPINE.

R D Wells I Porbes Jr J R Edwardson
Plant Dis Rep 45(9):725-727, TARS.

15 Sep 1961 1.9 P69P
Rlne lupine, Gray leafspot, Leaf spot (blue lnpine), Lupine,
Lupinus augustifolius, Stemphylinm botryosum Wallr.

2D 132R8-68

132R8-68

VIRDS ETIOLOGY CE FOLIAR VEIN-FLECKING OR RING PATTERN, AND FBUIT RUSSETING OB BLOTCH ON APFLE.

B F Welsh J Bay
Can J Flant Sci 47(6):703-708
Nov 1967 45D C16
Apples, Russet ring (apples), Russeting (apples),
Virus diseases (plants).
Abstract

132R9-6R

INELUENCE CF SOME ENVIRONMENTAL PACTORS ON THE SUSCEPTIEILITY OF PISON SATIVUM TO ROTRYTIS CINEREA. (DU) T F wijngaarden J Ellen Neth J Flant Fathol 74(1):8-11 1968 464.6 144 Botrytis cinerea, Calcium, Fungus diseases (plants), Magnesium, Feas, Flant ecology, Flant nutriticnal deficiencies, Potassium, Temperature. English summary

13290-66

RACTERIAL FHICEM CANKER, A NEW DISEASE OF FERSIAN WALNOT TREES.

E E Wilson F M Zeitcun D L Fredrickson

57(6):618-621

Jun 1567

Bacterial phloem canker (persian walnuts),

Etwinia rubrifaciens, Persian walnuts, Plant taxonomy,

Tree diseases.

Abstract:

the phloem canker pathogen, is considered to be a new species and the name Erwinia rubrifaciens sp n is proposed.

13291-68
RIACK SFOT OP ROSE (MARSSONIA ROSAE LIB.). (GE)
W Wittmann
Vienna Bundesanst Pflanzenschutz Elugbl 116, 1 P.
1966 464.9 V672F
Black spot (rosa), Diplocarpon rosae,
Fungus diseases (plants).

13292-68

AN INHIRITORY EFEECT OF LIGHT ON THE INFECTION BY RROWN LFAF FUSI OF WHEAT.

J C Zadoks
Neth J Flant Fathol 73(2):52-54
1967 464.8 144
Fungus diseases (plants), Leaf rust (wheat), Light.
Dutch summary

13293-68

ON HEAT TREATMENT OE CHRYSANYHHMUM MORILIFOLIUM AGAINST PUCCINIA HCRIANA.
J C Zadoks C A M Groenewegen R Zandvoort
Neth J Flant Fathcl 74(1):25-27
196R 464.R T44
Chrysanthemum, Fungus diseases (plants), Reat,
Plant disease control.
Dutch summary

13294-68

HELMINTHOSFORIDM CRYZAE BREDA DF BAAN, BROWN SPOT OF RICE. (FR
C Zambettakis
Piches Fhytopathol Trop 21,7 P. REF
1967 464.8 F44
Brown spot (rice), Fungus diseases (plants),
Helminthosporium oryzae.

13295-68

SEED DISINFECTION. (GE)
R Zwatz
Vienna Rundesanst Fflanzenschutz Flugbl 36, 3 P.
1966 464.9 V672F
Chemical control (plant diseases), Seed treatment.

Arthropods

13296-68
DEVELOPMENT OF RESISTANCE BY THE TOBACCO RUDWORM TO ENDRING AND CARBARYL.
P L Adkisson
J Econ Entomol 61(1):37-4D
Feb 1968 421 JR22
Carbaryl, Endrin, Heliothis virescens,
Insecticide resistant insects, Tobacco.
Abstract

13297-68

EVALDATION OF INSECTICIDES FOR CONTROL OF THE SUGAR-BEET MAGGOT IN HANITORA.

W R Allen W L Askew
Entoaol Soc Hanitoba Proc 22:65-71 REP 1966 420 EN88
Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Insecticides, Organophosphorus compounds, Tetanops myopaeformis.

13298-6R

IPS BARK BEETLE ATTACKS AND RROOD DEVELOPMENT ON A LIGHTNING-STRDCK PINE IN RELATION TO ITS PHYSIOLOGICAL DECLINE.

N H Anderson D B Anderson
Pla Entomol 51(1):23-30 REP
Mar 1968 42D P662
Porest insects, Insect physiology, Ips avulsus,
Ips calligraphus, Ips grandicollis, Lightning, Pinus,
Plant physiological diseases.
Abstract

13299-68
BIOLOGY OF RADICOLODS APHIDS ON MAIZE. (HU)
P Andrasfalvy
Rovartani Kozlemenyek 19(22):403-427, REF.
1966 420 SO12
Aphididae, Corn, Insect biology, Roots, Dlmus.
French summary.

133D0-6R
OSTRINIA NUBILALIS RURNER, INJURIOUS TO GLORE ARTICHOKE IN EGYPT (LEPIDOPTERA: PYRALIDAE).

M A H Assem E1 S A Nasr
Soc Entomol Egypte Rull 49:71-73
1966 420 EG9
Artichokes, Chemical control (insects), Insect pests, Ostrinia nubilalis, Trichlorfon.

13301-68
THE PICK-UP AND PENETRATION OF DLTRA-LOR-VOLUME AND EMULSIPIARLE CONCENTRATE MALATHION FORMULATIONS BY TORACCO RDDWORM
LARVAE.
T M Awad S B Winson
J Econ Entomol 61(1):242-245
Peb 1968 421 J822

Peb 1968 421 J822 Cotton, Emulsions, Pormulations, Heliothis virescens, Malathion. Abstract

133D2-68

EFFECTS OF NATURAL (SORGBDM) AND ARTIFICIAL (WHEAT GERM)
DIETS ON DEVELOPMENT OF THE CORN EARWORM, FALL ARMYWORM,
AND SODTHWESTERN CORN BORER.
D L Bailey H L Chada
J Econ Entomol 61 (1):257-260 REF
Peb 1968 421 J822
Heliothis zea, Insect nutrition, Insect physiology, Sorghum,
Spodoptera frugiperda, Wheat germ, Zeadiatraea grandiosella.
Abstract

13303-68
THE CONTROL OF THE CARPOCAPSA POMONELLA AND TRE PRDIT ACARIDS. (BU)
A Ralevsky
Rast Zashch 15(6):20-23
1967 423.92 S02
Apples, Carpocapsa pomonella, Mites.

13304-68
RESISTANCE TO ORGANOCHLORINE INSECTICIDES IN THE TUBER FLEA
REFILE, RETIHETX TUBBRIS GENT (COLEOPTERA:
CHRYSCHELIDAR), IN BRITISH COLUMBIA.
P I Banham D G Pinlayson
Entomol Soc Brit Columbia Proc 64:17-22,MAP
01 Aug 1967 420 E77
Chlorinated hydrocarbons, Ddt, Diazinon, Dieldrin,
Epitrix tuberis, Insecticide resistant insects, Potatoes.
Abstract

FIELD EVALUATION OF TEMIK AGAINST SOME INSECTS AND MITES
ATTACKING CITEUS.
J C Ecling B A Dean
J Econ Entomol 61(1):313-315
Feb 1568 421 J822
Chemical control (insects), Citrus, Evaluation, Insect pests,
Insecticides, Mites, Temik.

13306-68

NATURE CF AGBEBIOCOENCSIS AND SIGNIFICANCE TO INTEGRATED CENTREL. IN: FAO SYMFOSIUM ON INTEGRATED PEST CONTBOL, ROME, 1965. PROCEEDINGS. SB951. P62.
S Rombosch 2:11-14
1966
Ecolegy, Integrated centrol (insects), Soil-plant-animal relations.

13307-68
LYGUS RUGS. IN: SMITH, FC. N. INSECT COLONIZATION AND MASS PROTUCTION. QL497.S6.
G T Bottger
425-427
1966
Field crofs, Insect nutrition, Lygus, Ovnlation.

13308-68

SFECTBOFHOTOFIUORCMETEIC DETERMINATION OF 6-METHOXY-2BENZOXAZOLINONE, AN INDICATOR OF RESISTANCE TO EUROPEAN
CCRN FORER IN ZEA MAYS.

M C Bowman M Beroza J A Klun
J Boon Entcmol 61(1):120-123
Feb 1968 421 J822
Benzcxazolinone, Ccrn, Fluorometry,
Methoxy-2-benzcxazolinone, 6-, Cstrinia nubilalis,
Plant pest resistance, Spectrophotometry.
Abstract

13309-68
HOST BANGE OF LARVAE OF THE NOBTHEBN CORN BOOTWOBK (CCLECTRERA: CHBYSOMELIDAE).
T F Branson E F Ortman
Kans Entemcl Soc J 40(3):412-414
Jul 1967 420 K13
Corn, Diabrotica longicornis, Fertility, Food plants, Setaria viridis, Wheat.
Abstract

13310-68
PHYPOTOXICITY AND WIBEWORM-CONTBOL EFFICACY OF
INSECTICIDAL DRESSINGS APPLIED TO CEREAL SEED UP TO A YEAR
BEFCRE FLANTING.
R H Enrrage J Gurba
Can J'Plant Sci 47(6):665-670 BEF
Nov 1967 450 C16
Aldrin, Barley, Flateridae, Heptachlor, Phytotoxicity,
Seed treatment, Wheat.
Five formulations of heptachlor and aldrin, separately and
mixtured
Abstract

13311-68
AN AREA CONTROL PECGRAM FOR THE PEAR PSYLLA.
E C Burts
J Econ Entcsol 61(1):261-263 BEF
Peh 1968 421 JB22
Aerial spraying, Chemical control (insects), Pears, Perthane,
Psylla pyricola.
Abstract

13312-68

HOSI-FLANT PREPERENCE OF TRE ALFALPA WEEVIL IN TRE PIELD.

H D Byrne C C Blickenstaff

J Econ Entobol 61(1):334-335

Feb 156B 421 J822

Food flants, Bost specificity, Bypera postica, Legumes.

13313-68
DIPPEBENTIAL RESISTANCE OF SOME MAIZE COMPOSITES, COMPOSITE CROSSES, HYRRIDS, AND VARIETIES TO CHILO ZONELLUS SWINHOE (CEMBEIDAE: LEFIDOPTERA. I.

S M Chatterji W B Young G C Sharma V P S Panwar K H Siddiqui Indian J Entomol 28 (4):427-434
Dec 1966 420 INZ3
Chilo zonellus, Corn, Plant pest resistance.

13314-68
SOUTHERN PINE BEETLES. IN: SMITH, C. N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
E W Clark E A Osgood 305-310 REF 1966
Dendroctonus frontalis, Insect rearing, Pinus.

13315-68
A STUDY OF TRE LIPE-CYCLES AND HOSTS OF SOME ICHNEOMONIDAE
ATTACKING POPAE OF THE GREEN OAK-LEAF ROLLEE MOTH, TORTRIX
VIRIDANA (L.) (LEFIDOPTERA: TOBTICIDAE) IN ENGLAND.
L B Cole
ROY Entomol Soc London Trans 119 (9):267-281 REF
15 Dec 1967 420 LR4
Ichneumonidae, Insect pests, Predaceous insects, Quercus,
Tortrix viridana.

13316-68

GRASSHOPPERS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.56.

P T Cowan 311-321
1966

Experimental insects, Grasshoppers, Insect cages, Insect rearing.

13317-68
SIMULATED NANTUCKET FINE TIP MOTH ATTACKS REDUCE BOOT
DEVELOPMENT OF SHORTLEAP PINE SEEDLINGS.
J F Coyne
J Econ Entonol 61(1):319-320
Feb 1968 421 J822
Defoliation, Forest insects, Pinus echinata, Plant physiology,
Roots.

ON THE OCCURBENCE AND CONTROL OF HARPUROSTBEPTUS SP. A
NEW MILLEPEDE PEST OF CULTIVATED CBOPS IN KERALA.
N H Das M R G K Nair A Jacob
Indian J Entomol 2R(4):563-566
Dec 1966 420 IN23
Cassava starch, Chemical control (insects), Chilis, Diplopoda,
Harpurostreptus.

13319-68
GENETICS OF RESISTANCE TO LEAF RUST IN THE COMMON WHEAT VARIETIES WEBSTER, LOROS, BBEVIT, CARINA, MALAKOF. AND CENTENABIO.
P. L. Dyck D. J. Samborski
Can. J. Genet Cytol. 10 (1):7-17
Mar. 1968. 443.8 C16
Fungus diseases (plants), Leaf rust (wheat),
Plant disease resistance, Plant genetics,
Puccinia recondita tritici, Wheat.
Abstract

BIOLOGICAL CONTROL AND ALTERNATIVE CONTROL SCHEMES.
A. S. BALACHOWSKY AND P. WILSON, BAPPORTEORS. IN: PAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SR951. P62.
2:139-186
Riological control (insects), Insect control, Plant protection.
Includes introduction, summary, and discussion.

13321-68

TRE ESSENTIAL ROLE OF ECONOMIC-INJURY POPULATION LEVELS.
P. J. SIMMONDS AND E. RORBEB, RAPPORTEORS. IN: PAO SYMPOSIUM ON INTEGEATED PEST CONTBOL, ROME, 1965. PROCEEDINGS.
SB951. P62.
2:37-E9
1966
Crop losses, Insect pests, Insect populations.
Includes introduction, summary, and discussion.

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13322-68
USE OF PESTICIDES IN SELECTIVE MANNERS. IN: PAO SYMPOSIDM ON INTEGRATED PEST CONTROL, BOMF, 1965. PECCEEDINGS. SP951. F62.
B Gasser
2: 109-113
1966
Acaricides, Chemurgy, Insecticides, Plant protection.

13323-68

EOLL WEEVILS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS FECTUCTION. QL497.56.

R T Gast T H Davich
4U5-418

1966
Anthonomus grandis, Insect cages, Insect nutrition, Insect rearing, Ovulation.

13324-68
CITRUS RED BITE, FANONYCHUS CITRI (BCGHEGOH)
(TETHANYCHIDAE: ACARI), RECORDED PROB NEW SOUTH WALES.
F A Gibson
Anstralian J Sci 30(7):273
Jan 1568 475 AD72
Lebons, Fanchychus citri.

13325-68
INSECTS CP THE SEASON 1966 RELATED TO PHUIT, VEGETABLES AND CHNAMFWIALS.
H W Goble
Entomol Soc Ontario Proc 97:6-7
1966 420 0N8
Field crofs, Fruit, Insect pests, Ornamental plants,
Vegetables.

13326-68
THE EFFECT OF WHEAT EDG CONTROL CHEMICALS ON OTHER WHEAT PESTS. (EU)
S Grigorov
Rast Zashch 15 (6):23-27 REF 1967 423.92 SO2
Chemical control (insects), Plant pest control, Wheat.

13327-68
IMFORTANCE OF AN INTERDISCIPLINABY APPROACH. IN: PAO SYMPCSIUM ON INTEGRATED FEST CONTROL, HOME, 1965. PROCEEDINGS.
SH951. F62. (fr)
P Grison
3:87-101, REP
1966
Hirds, Ecology, Fungus diseases (plants), Insect pests,
Insect pollinators, Parasitism, Plant nematodes,
Plant pest resistance, Wildlife.

13328-68
CODLING MOTHS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS FHCDUCTION. QL497.56.
D W Hamilton D O Hathaway 339-354 REF 1966
Apples, Carrocapsa pomonella, Insect nutrition, Insect rearing.

13329-68
EXTERNAL HORPHOLOGY AND LIFE-RISTORY OF THE EGG-PLANT STEM ROHER, EDZCHOHA OSSEATELLA THEIT. (LEFIDOPTERA: PYHA-LIDAE).
P A Harakly
Soc Entomol Egypte Hull 49:259-276
1966 420 EG9
Eggplant, Euzchera osseatella.

1333U-68
THE INSECT PESTS OF CARHAGE IN EGYPT.
P A Harakly
Soc Entemol Egypte Hull 49:319-320
1966 420 EG9
Cabbage, Insect pests.

13331-68
APHIDS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS PHODUCTICN. QL497.S6.
F H Harries
429-444 REF
1966
Aphididae, Insect biology, Insect rearing.

13332-68

THE EDROPEAN PINE SHOOT MOTH, HHYACIONIA RUOLIANA (LEPIDCPTERA: OLETHHEDTIDAE), ANOTHER INTRODUCED FOHEST PEST.

J W E Harris R O Wood Entowool Soc Hrit Columbia Proc 64:14-17

O1 Aug 1967 420 R77

Forest insects, Pinns, Rhyacionia buoliana, Zoogeography. Abstract

13333-68

SEED INCREASE OF ALPALFA IN GHOWTH CHAMBERS WITH MEGACHILE HOTUNDATA F.

D H Heinrichs
Can J Plant Sci 47(6):691-694
Nov 1967 450 C16
Alfalfa, Megachile rotundata, Seeds.
Abstract

13334-68
THE ATTACKING HAHITS OF SINOXYLON SUDANICUM LESVE (COLE-OPTERA: ROSTRYCHIDAE).
R Hindy
Soc Entomol Egypte Rull 49:411-413
1966 420 EG9
Hangoes, Sinoxylon sndanicum.

13335-68
USE OF ALTERNATIVE RIOLOGICAL CONTROL SCHEMES. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, HOME, 1965. PHOCEEDINGS. SR951. P62.
E Horber
2: 167-183, HEF.
1966
Alkylation, Antimetabolites, Attractants,
Hiological control (insects), Chemosterilants, Hormones,
Insect behavior, Insect repellents, Irradiation, Pesticides,
Plant protection, Sterilization.

13336-68
POSSIBILITIES POR DTILIZATION OF ENTOHOPATROGENIC HICHOORGANISMS IN INTEGRATED CONTROL. IN: PAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SR951. P62.
(fr
R Hurpin
2:149-165, REP.
1966
Insect diseases, Insecticides, Integrated control (insects),
Plant protection, Fredaceous insects.

13337-68
A NOTE ON SOME NEW HOST PLANTS OF A PEW PYRALIDS IN SODTH INCIA.
B Janarthanan
Indian J Entomol 28 (4):559-56U
Dec 1966 420 IN23
Host specificity, Insect pests, Pyralidae.

13338-68

THE HALANCED LATTICE AS AN EXPERIMENTAL DESIGN POH TESTING LARGE NUMBERS OF PLANTS FOR FEEDING PHEPERENCES OF WHITE-PRINGED HEETLES.

J L Jarvis

J Econ Entowol 61(1):132-134
Peb 1967 421 J822
Experimental design, Feeding, Food plants, Graphognathus,

13339-68
SOME NEW PESTS OF RETELVINE.
R C Joshi Y K Mathur
Indian J Entomol 28 (4):566-567
Dec 1966 420 IN23
Insect pests, Piper betle.

Abstract

Host specificity, Insect behavior.

13340-68
STUDIES ON THE SUSCEPTIBILITY OF DIFFERENT VARIETIES OF SOHGHUM, MAIZE AND HAJRA TO CHILO ZONELLUS (SWINHOE) UNDER FIELD AND CAGE CONDITIONS AND THE METHODS OF DETERBINING IT. H E Kalode N C Pant Indian J Entomol 28 (4):448-464 REP Dec 1966 420 IN23 Chilo zonellus, Corn, Pearlmillet, Plant injuries, Plant pest resistance, Sorghnm.

13341-68
EPPECT OF TREATING COTTON SEED WITH DIELDRIN, AHAVIT H,
AND ALDRIN ON THE EMERGENCE OF PINK BOLLWORN MOTHS.
A Khalifa

J Econ Entomol 61(1):332-334 Feb 1968 421 J822 Aldrin, Cotton, Dieldrin, Mercuric obloride, Mercuric iodide, Pectinctbora gossyfiella, Seed treatment.
Mercury compounds used as 3:1 mixture of obloride to iodide. PREDATORY AND ENERGETIC RELATIONS OF WOODPECKERS TO THE ENGELEANN SPRUCE EFETLE. SE996 . W6K6. J R Koplin
187 P., MAF REF COLOBADO STATE UNIVERSITY, FORT COLLINS Jun 1967 Birds, Dendroctonus obesns, Ecology, Porest insects, Picea engelmanni, Fredatory birds, Woodpeckers. Biblicgraphy, 179-187 dcctoral thesis 13343-68 NEW BECOBES OF HYMENOFTEROUS PASASITES PROB ACHARA JANATA LINB (LEFIDOFFERA: NOCTUIDAE), A SERIOUS PEST OF CASTOR, (BICIBUS CCMBUNIS).
G G Kundu S Eai B K Anand V K Sharma
Indian J Entosol 28(4):557-558 Dec 1966 420 IN23 Achaea janata, Castorbeans, Insect pests, Parasitic insects. 13344-68 IFS FLASTCGRAPRUS (COLEOPTERA: SCOLYTIDAE) TUNNELLING IN SAPWOOD OF LODGEFOLE FINE IN CALIFORNIA. G N Lanier Can Entomol 99(12):1334-1335 Dec 1967 421 C16 Hibernation, Host specificity, Ips plastographus, Pinus contorta latifolia. Abstract 13345-68 EVALUATION IN THE GREENHOUSE OF A NEW INSECTICIDE POR RCLINCRM CONTROL. G P Ludvik M L Randolph W A Darlington J Econ Entcmol 61(1):304-306 421 J822 Ddt, Dichloro-3-(4-chlorophenyl)salicylanilide, 4'-5-, Heliothis zea, Toxarhene. Laboratory tests; compared on cotton sprayed with toxaphenedDT mixture. Abstract 13346+6B THE PERFORMANCE, FRYTCTOXICITY AND PERSISTENCE OF THREE

PETROLEUM CILS FOB CONTBOL OF THE PEAB PSYLLA. R F Madsen K Williams Entomcl Scc Brit Columbia Proc 64:3-8 01 Ang 1967 420 B77 Chemical control (insects), Pears, Petroleum, Psylla pyricola. Orcbex 796, Volck Supreme, and Fennsalt Superior Abstract

13347-68

EXPERIMENTS ON THE CONTROL CP SISAL WEEVILS BY DIPPING PLANTING MATERIAL IN SOLUTIONS CP SYSTEMIC INSECTICIDES. M E A Materu D Borkinson Arusha Trop Pesticides Res Inst Misc Rep 630,5 P Sep 1967 423.52 G7922 Chemical control (insects), Insecticides, Bhynchophora, Sisal, Systemic insecticides. Abstract

13348-68

SYSTEMIC INSECTICIDES EVALUATED FOR TWO-SPOTTED MITE CONTROL ON GEERNHOUSE CUCUMBERS. R J McClanahan Entomc1 Soc Ontario Proc 97:99-102 1966 420 ON8 Chemical control (insects), Chonnbers, Evaluation, Greenhouse culture, Insecticides, Systemic insecticides, Tetranychus nrticae.

13349-68

NEW BECOBDS AND DISCUSSION OF FREDATORS OF THE PEAR PSYLLA. FSYLLA FYRICOLA PCESTEB, IN SBITISH COLUMBIA. En D Hotulien C Jong
Entomcl Soc Brit Columbia Proc 64:35-40 BEF
Ul Aug 1967 420 E77
Insect biology, Predaceous insects, Psylla pyricola. Abstract

THE IMPORTANCE OF INSECTS TO TRE SPBEADING OF OAK WILT. (GE) I I Minkevic Reitr Entomol 17(1/2):299-304 REF 1967 421 R392 Porest insects, Insect pests, Plant disease transmission, Wilt (guercus). English and Russian summaries. Abstract

COMPARATIVE EPPECT OF THE BOLL WEEVIL ON THE PRODUCTIVITY OF COKEB 100 COTTON IN NORTH CABOLINA.
W J Mistric J Econ Entomol 61(1):284-285 Peb 1968 421 JB22 Anthonomus grandis, Cotton, Crop varieties. Abstract

13352-68

EPPICTS OF NITBOGEN PERTILIZATION ON COTTON UNDER BOLL WEEVIL ATTACK IN NORTH CAROLINA. W J Mistric J Econ Entomol 61(1):282-283 Peb 1968 421 J822 Anthonomus grandis, Cotton, Pertilization (plants), Nitrogen. Abstract

13353-6B

A FREVENTIVE ROLL WEEVIL CONTROL FROGRAM APPLIED TO A TEN-SQUARE-MILE AREA WITHIN A TREATED COUNTY. W J Mistric E R Mitchell J Econ Entobol 61(1):179-186 Peb 1968 421 JB22 Anthonomus grandis, Azinphosmethyl, Carbaryl, Chemical control (insects), Cotton, Ddt, Toxaphene.
Toxaphene-DDT mixture used. Abstract

13354-68

A PREVENTIVE BOLL WEEVIL CONTROL PROGRAM APPLIED TO A TENSUARE-BILE ABEA WITHIN AN UNTREATED COUNTY.

H J Mistric E M Covington J Econ Entomol 61(1):186-190 Peb 1968 421 J822 Anthonomus grandis, Aphis craccivora, Aphis gossypii, Cbemical control (insects), Ddt, Emulsions, Heliothis zea, Rainfall, Toxaphene.
Toxaphene-DDI emulsion concentrate, commercially formulated, was used. Abstract

13355-68

NEWLY RECOGNIZED HOSTS OF TRE ORIENTAL PRUIT PLY, MELON PLY, AND MEDITERRANEAN PBUIT PLY. S Nakagawa G J Parias T Urago J Econ Entomol 61(1):339-340 Peb 1968 421 J822 Ceratitis capitata, Dacus cucurbitae, Dacus dorsalis, Pood plants, Host specificity.

13356-68

ESSENTIAL ROLE OF CHEMICALS IN CROP PROTECTION. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PBCCEED-INGS. SBS SB951. P62. 2:95-108, BEP. 1966 Riological control (insects), Chemical control (insects), Crops, Insecticides, Plant disease resistance, Plant protection.

13357-68

NEW HOST RECOBDS FOR NORTH AMERICAN PRUIT PLIES (DIPTERA: TEPHRITIDAE).

J A Novak W B Stoltzins E J Allen R A Poote Entomol Soc Wash Proc 69(2):146-14B Jun 1967 420 W27 Pood plants, Host specificity, Tephritidae.

THE CONFINEMENT PERIOD REQUIRED TO BID HONEYBEES OF FOREIGN SWEETCLOVER POLLEN.
P Pankiw R P Goplen Can J Plant Sci 47 (6):653-656 REP Nov 1967 450 C16 Apis mellifera, Bee pollinators, Qnarantine, Sweetclover. Abstract

20 13359-68

J Econ Entomol 61(1):274-279

Feb 1568 421 J822 Cotton, Insect collecting equipment, Insect control, Insect pests, Spiders, Surveys. Abstract 13360-68 MCREHCLCGICAL-FIOLOGICAL REFORT OF THE CABRAGE MAGGOT "HYLEMIA ERASSICAE (BCH.)" AND EXPERIMENTS IN CHEMICAL CCNIRCL. (IT) R Fricre Portici Lah Entorcl Agr Filippo Silvestri Boll 24:169-203 Aldrin, Chemical control (insects), Chlordane,
Chlorinated hydrocarbons, Ddt, Food plants, Bylemya brassicae,
Insect biology, Insect morphology, Lindane,
Crganophosphorus compounds, Parathion.
EDG tested alone and mixed with parathion.
English summary.

CONTROL OF COTTON INSECTS WITH AN INSECT-COLLECTING MACHINE.

13361-68

SOME NEW EFFICIENT FREPARATIONS TO CONTROL THRIPS AND AFHIS GCSSYPII ON COTTON. (FU)

B Radev S Stephanov
Rast Zashch 15(6):35-37
1967 423.92 SO2 Aphis gossypii, Chemical control (insects), Cotton, Insecticides, Thysanoptera.

RECCED OF THE COTTONY COSHICN SCALE, ICERYA PORCHASI MASKELL IN THE CANNANORE DISTRICT OF KERALA STATE IN INDIA AND ITS CONTROL.
V P Rao S h Kamath Indian J Entomol 28(4):552 Dec 1566 420 IN23 Riological control (insects), Citrus, Coccoidea, Icerya purchasi, Rodolia.

SYSTEMIC ACTIVITY OF SHELL SD-9129 IN COTTON PLANTS. R L Ridgway D A Lindguist J Econ Entemol 59 (4):961-964, TABS. Aug 1966 421 J822 Cotton, Shell SD-9129, Systemic insecticides.

13368-66

EFFECTS OF APHIES ON CEREAL GRAINS AT VARIODS STAGES OF PLANT GECWIH. (ARSTEACT). A G Retinsen J U Apatlaza Entomical Soc Manitoha Proc 22:24 1966 42D ENEE Aphididae, Grain. Abstract

13365-68

IMPCETANT FOREST INSECTS OF CHTARIO IN 1966. A H Rcse Entomol Soc Ontario Proc 97:8-1D 1966 420 ON8 Canada, Forest insects.

THE INSECTS INJURIOUS TO POTATOES. (IT) G Russo Portici Lab Entomol Agr Filippo Silvestri Boll 24:227-229 420 P82R Cartaryl, Chemical control (insects), Chlordane, Ddt, Insect pests, Lindane, Mites, Parathion, Plant nematodes, Potatces. DDT used alone and mixed with parathion. English summary.

13367-68

INHERITANCE OF VIRDLENCE IN WHEAT LEAF BUST ON THE STANDARD DIFFERENTIAL WHEAT VARIETIES.
D J Samborski F L Dyck
Can J Genet Cytol 10(1):24-32
Mar 1568 443.8 C16 Fungus diseases (plants), Leaf rust (wheat), Plant genetics, Puccinia recondita tritici. Abstract

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THE SUSCEPTIBILITY OF POUR VARIETIES OF OKBA, BIBISCDS ESCULENTUS L, TO COTTON BOLLWORKS INFESTATION (LEPIDOPTERA: ACCUMINATE AND GELECHIDAE).

Soc Entomol Egypte Rull 49:2D7-213 1966 420 EG9 Earias insulana, Okra, Pectinophora gossypiella, Plant pest resistance.

BIOASSAY OF INSECTICIDES FOR CONTROL OF DROSOPHILA MELANOGASTER P Singh R Taylor J G Rodriguez J Econ Entomol 61(1):336-337 Peb 1968 421 J822 Riological assay, Drosophila melanogaster, Fruit, Insecticides. Vegetables.

13370-6B

HIBERNATION OF THE PLDM CURCULIO AND ITS SPRING MIGRATION TO HOST TREES. E H Smith J K Flessel J Econ Entomol 61(1):193-203 REF 1968 421 J822 Conotrachelus nennphar, Bihernation, Insect cages, Insect ecology, Insect migration, Mortality, Plums. Abstract

13371-68

A REVIEW OF RYMENOPTEROUS PARASITES OF CITRUS PEST APRIDS OF THE WORLD AND BIOLOGICAL CONTROL PROJECTS (HYM., APHICOIDEA) . P Stary Acta Ent Rohemoslov 64(1):37-61 1967 42D C33 Aphididae, Biological control (insects), Citrus, Hymenoptera, Parasitic insects.

13372-68

SOME COSTS OF INSECT DAMAGE AND CROP PROTECTION. IN: PAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. P62. A H Strickland 1:75-88, REF. 1966 Costs, Crop losses, Insect pests, Plant protection.

THE SELECTIVE ADVANTAGE ACCRUING TO LYGDS BDGS THAT CADSE

BLASTING OF FLORAL PARTS. F E Strong J Econ Entomol 61(1):315-316 REF Field crops, Lygns hesperus, Lygus lineolaris, Plant injuries.

13374-68

CONSTITUENTS OF THE COTTON BDD. IX. FDETRER STDDIES ON A POLAR ROLL WEEVIL FEEDING STHULANT COMPLEX. R F Struck J Proy Y F Shealy P A Hedin A C Thompson J Econ Entowol 61(1):270-274 Peb 1968 421 J822 Anthonomus grandis, Cotton, Insect behavior, Plant composition. Abstract

13375-68

THE LABCH SAWPLY IN TRE NORTHERN TRANSITIONAL POREST OF N J Throck B R McLeod
Entomol Soc Manitoba Proc 22:55-60, MAP 1966 42D EN88 Porest insects, Larix laricina, Pristiphora erichsonii.

POPULATION SAMPLING FOR INTEGRATED CONTROL. IN: PAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. P62. n Van De Van 2:57-75, REF. 1966

Beneficial insects, Insect collecting equipment, Insect pests, Panonychus ulmi, Phytoseiidae, Popnlation statistics, Surveys.

INSECT INTERCEPTIONS MADE FROM TRE SEED SAMPLES IMPORTED AND EXPORTED FOR PLANT INTRODUCTION WORK DDEING TRE PERIOD ADGUST 196D TO DECEMBER 1964.

S R Wadhi T Soares R Lai Indian J Entomol 28(4):494-5D0 REP Dec 1966 420 IN23 India, Insect control, Plant gnarantine, Sampling (statistics), Seeds.

13378-68 CONTROL OF FINK BOLLHOEM LAFVAE WITH SOIL-APPLIED INSECTI-CIDES. I P Watson J Econ Entered 61(1):32D-321 J Foon Entemol 61(1):32D-321 Peb 1568 421 3822 Aldrin, Chemical control (insects), Cotton, Diazinon, Disultoton, Farathion, Pectinorbora gossyriella, Phorate, Soil sterilization, Temik. Aldrin tested alone and mixed with parathion.

STATUS OF THE CEREAL LEAF REETLE, ODLEMA MELANOPUS (L.) CCLECFTERA: CHRYSOMELLIDAE IN NORTH AMERICA. P H Westdal Entomol Soc Manitoba Proc 22:38-41 1966 420 EN88 Beneficial insects, Chrysomelidae, Food plants, Grain, Grasses, Insect biology, Oulema melanopus, Plant pest resistance, Flant quarantine.

Nematodes

13380-68 DISTRIBUTION OF THE RENIFORM NEMATORE IN RELATION TO CROP DISTRIBUTION OF THE RENIFORE REMATORE IN BELATION : PAILORE OF COTION IN LOUISIANA. W Birchfield J E Jones Plant Dis Rep 45(9):671-673 15 Sep 1561 1.9 f69P Cotton, Crop losses, Louisiana, Reniform nematode, Rotylenchulns reniformis.

13381-68 RESISTANCE OF AXENIC TOMATO SEEGLINGS TO MELOIDOGYNE INCOGNITA ACRITA AND TO M. EAPLA.

V H Dropkin B E webb Phytopathology 57(6):584-587 REE
Jun 1967 464.8 P56 Meloidogyne hapla, Meloidogyne incognita acrita, Plant galls, Plant nematode resistance, Tomatoes. Abstract: plants resistant to M. bapla, for the most part, lacked necrotic responses and larvae generally induced galls, but the number of larvae in resistant seedlings was much less than that in susceptible ones.

13382-6B

RESPONSE OF RETEROTERA TRIECLII IN RED CLOVEB ROOTS TO AZAURACIL AND CTHER INHIBITORS. E Y Endc G W Schaeffer Phytopathclogy 57(6):576-579 REF Jun 1967 464.6 P56 Betercdera trifolii, Plant growth inbibitors, Plant nematodes, Bed clover, Bibonucleic acid, Triazine-3,5(2H,4H)-dione, 6-as-, Uracil, Dridine. Abstract: azavracil and its ribctide derivatives inhibit RNA synthesis. it was hypothesized that a close relationship between nematodes and the syncytia could be disrupted by BNA inhibitors during phases of nematode and syncytial development.

13383-68 DUAL TRANSMISSION OF TOBACCO BINGSPOT VIRUS AND TOMATO RINGSPOT VIRUS BY XIPBINEMA AMERICANUM. J P Eulton Phytogathology 57(6):535-537 REE Jun 1967 464.8 256 Plant disease transmission, Plant nematodes, Ring spct (cowpeas), Ring spct (cucumbers), Kiphinema americanum, Yellow vein (cucumbers). Abstract

INFLDENCE OF NEMATOCIDAL TREATMENTS ON NEMATODE POPULATIONS. M R Barriscn Phytogathology 57 (7):650-652 BEF Jul 1967 464.8 F56 Nematocides, flant nematode resistance, Plant nematodes.

13385-68 3385-68
ELECTRON MICROSCOPY OF A PLANT-PARASITIC NEMATODE,
PRATYLENCHUS PENETRANS. (AESTRACT).
B Hirumi T A Chen K Maramorosch
Phytopathology 57 (7):646
Jul 1967 464.8 P56 Electron microscopy, Plant nematodes, Pratylenchus penetrans.

13386-68 PREPARING NEMATODE-PREE BANANA 'SEED'. C & Loos S B Loos Phytopathology 50 (5):383-386 May 196D 464.8 p56 Bananas, Nematodes.

13387-68 COMPARISON OF THE PATROGENICITY AND DEVELOPMENT OF THE VA. 2 ISOLATE OF HETERODERA GLYCINES ON PICKETT AND LEE SOYREANS. (AESTRACT). L I miller Phytopathology 57(7):647 Jul 1967 464.8 P56 Crop varieties, Heterodera glycines, Plant nematodes, Soybeans.

133B8-6B DEVELOPMENT OF 11 ISOLATES OF HETERODERA GLYCINES ON SIX LEGUMES. (ABSTRACT). L I Miller Phytopathology 57(7):647 Jul 1967 464.8 P56 Heterodera glycines, Legumes, Plant nematodes.

13389-68
ON THE C.CURRENCE OF THE BUBBOWING NEMATODE, BADOPBOLUS SIMILIS (COBB, 1893) THOBNE, 1949, ON BANANA IN KERALA-H R G K Nair N H Das H R Henon Indian J Entomol 28(4):553-554 Dec 1966 42D IN23 Bananas, Plant nematodes, Radopholus similis.

13390-68 THE EFFECT OF VARIOUS PACTORS ON LARVAL EMERGENCE FROM CYSTS OF HETERODERA GLYCINES.

D A Slack M L Hamblen
Phytopathology 51(6):350-355, BIBL. 355
Jun 1961 464.B P56 Cysts, Beterodera glycines, Heterodera glycines, Larvae.

ECONOMICALLY IMPORTANT NEMATODES IN ONTARIO, 1966 .. J L Townshend Entomol Soc Ontario Proc 97:5-6 1966 420 ON8 Pield crops, Fruit, Ornamental plants, Plant nematodes, Vegetables.

Weeds

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434 P. BLACKWELL SCIENTIFIC PUBLICATIONS, OXPOBD 1965 Chemical control (weeds), Herbicides.

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Antigens, Hog cholera, Bog cholera vaccines, Immunization, Patents, Swine, Vaccines, Virus diarrhea.

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PROTUCTION OF GAS GANGRENE SERUM IN GENERAL AND OF FOLYVALENT GAS GANGRENE-APHYLACTIC-SERUM OF HOBSE BY USING SIMULTANEOUS IMMUNIZATION METHORS WITH FOUR KNOWN GAS GANGRENE TYPES IN CNE. (GE)

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Gas gangrene, Rorses, Immunization, Serum.
Abstract

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P W Eeckett
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Bacterial vaccines, Epizootic diseases, Salmonella,
Salmonellosis, Sheef.
Abstract

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Adverse effects, Arginine, Erng therapy, Ducks,
Feed surplements, Glutamic acid, Isoniazid, Hortality,
Nicctinic acid, Toxicity, Vitamin b6.

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T W Chomiak B E Luginbubl C E Belmboldt S U Kottaridis
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Avian lymphomatosis, Chickens.

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TUBERCUIOSIS IN BIRDS-OE-PREY.
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Predatory birds, Tuberculosis.

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Brucellosis, Cattle, Vaccines.
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Immunization, Immunization, Newcastle disease, Poultry, Vaccines.

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13 Jan 1968 41.8 V641
Canine distemper vaccines, Dogs, Immunization,
Measles vaccine.

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G D Harter R L Vetter
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Abstract

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Dermatitis, Staphylococcus aureus.

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A B Hoerlein
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Cattle, Immunization, Patents, Vaccines,
Vibrio fetus bacterins, Vibriosis.

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Cats, FeTine infectious enteritis, Mink enteritis virus.
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Beticuloendotheliosis, Sheep, Spleen.
Abstract

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IN A FOUSE FASSIVE FROTECTION TEST.
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Chicks, Glutathione, Methionine, Thyroid gland.

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Avian encephalomyelitis, Culture media.

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Cattle, Glanders, Tuberculosis.

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Conferences, Livestock diseases, Poultry.

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Pesticides, Succinylcholine chloride.
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Antibiotics, Fungicides, Patents.

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Chickens, Rypoxia.

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Jap Vet Med Ass J 20(11):457-461 REF
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Cattle, Mastitis.

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L N Owen
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Dogs, Fihrosarcoma.

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K T Feterson R E Coon
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Catalase, Hydrogen-ion concentration, Mastitis, Milk.
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Cattle, Salmonella duhlin, Salmonella typhimnrinm, Vaccines.

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Cattle, Tuberculosis.
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Carcinogens, Cycasin, Lahoratory animals.

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Antiseptics, Ractericides, Cattle, Mastitis.
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C J Sedgwick W A Young
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Jan 1968 41.8 N812
Animals, Canine distemper, Zoological gardens.
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Brucellosis, Cattle, Economics, Goats, Horses, Immunization,
Sheep.

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F 5 Stratling F 5 Eridge
Great Brit Hin Agr Fish Food Agr 73(12):558-561
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Wildlife, Zoonoses.

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Cattle, Deficiency diseases, Diet, Minerals, Proteins, Reproduction, Sheep, Swine, Vitamins.

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Ducks, Hemagglutination, Virus hepatitis.

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Poisoning, Weeds.

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O J Thorrson C W Carlson I S Palmer O E Olson J Nntr 94 (2): 227-232 BEF

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NeoFlasms, Sheep, Slaughterhouses.
Abstract

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Birds, Salmonella gallinarum, Salmonella pnllornm,
Salmonella typhimurium.
English, Prench, German, and Spanish abstracts
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Chinchillas, Orug therapy, Feed additives, Griseofulvin, Fingworm.

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Releinthiasis, Parasitism, Swine.
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I. INTERNAL AND EXTERNAL PAGASITES.
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G R S Heath A F Eawcett
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Helminthiasis, Sheer.

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PASCIOLA BEFATICA EGG-COUNTS IN CATTLE.

M. R. HCDGT
Z. Parasitenk 28 (3):211-218 REF
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Cattle, Easciola bepatica, Feces.
English and German abstracts
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M 5 Honer
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Cattle, Pasciola hepatica, Peces, Humans.
English and German abstracts
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Oesophagostomiasis, Oesophagostomum, Swine.

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Aug 1967 448.8 J824
Haemonchus contortus, Nematodes, Oxygen, Sheep.

13479-68
A GUIUE TO HELMINTH SPECIES UESCRIBED FROM APRICAN VERTEEBATES. QL757.033.
A H Ogambo-Ongoma A G Canaris
207 P. REP WEST VIRGINIA UNIVERSITY LIRRARY, MORGANTOWN 1967
Helminthology, Vertebrates.

13480-68
TRE UIAGNOSIS OF HELMINTHIASIS IN HORSES.
M C Found
Vet Rec 82(2):39-42,43
13 Jan 1968 41.8 V641
Uiagnosis, Relminthiasis, Horses.
Abstract

13481-68
EXPERIMENTAL RELMINTHIASIS IN PARASITE-PREE CALVES ON MARSHLAND PASTURES.
H J Smith R M Archihald
Can Vet J 9(2),46-55 REF
Peh 1968 41.8 R3224
Calves, Helminthiasis, Marshes, Pastures.
English and French summaries
Abstract

13482-68
PURTHER ANALYSIS OF THE FACTORS CONTROLLING STROBILIZATION,
UIFPERENTIATION, AND NATURATION OF ECRINOCOCCUS
GRANULOSUS IN VITRO.
J D Smyth H J Miller A R Howkins
Exp Parasitol 21(1):31-41 REP
Aug 1967 436.8 EX7
Echinococcus granulosus, Helminths.
Abstract

40 COMMODITY PROTECTION

13483-68 NEW FINCINGS AROUT FUHIGANT AND ATMOSPHERIC GASES IN THE CONTROL OF INSECTS AND MOLDS IN GRAIN. R EFICK Entomical Soc Manitola Froc 22:16-22 REF 1966 420 EN88 Carbon dioxide, Frmigants, Grain, Insect control, Molds, Nitrogen, Crygen, Festicide residnes, Stored products.

Storage Diseases

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13484-68
INCREASE IN INVASION BY STOBAGE EUNGI AND IN PAT ACIDITY VALUES OF COMMERCIAL LOTS OF SOTREAMS STORED AT HOISTURE CONTENTS OF 13.0.14.0 PERCENT.
C M Christensen
Phytopathology 57(6):622-624
Jun 1967 464.R P56
Alternaria, Aspergillus glauchs, Aspergillus restrictus, Soyheans, Storage diseases.
Abstract
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3485-68 HOW PUNGI ATTACK HATEFIAL. N I Hendley Sci J 2(1):43-45 Jan 1966 (21.534 Food spcilage, Losses, Holds, Raw materials, Textiles.

13486-68 TREATHENT OF ERUITS AND THE LIKE TO INHIRIT DECAY. PATENT 3,347,683. A J Kraght R C Marks US Patent Office Offic Gaz 843(3):1028 17 Oct 1967 156.65 0F2 Cobalt, Fruit, Fatents, Storage diseases.

3487-68 EFFECT OF HOISTORE CONTENT AND TEMPERATURE ON INVASION OF STORED CORN BY ASPERGILLUS FLAVUS. L C Lopez C M Christensen Phytopathology 57(6:588-590 Jun 1967 464.8 P56 Aspergillus candidus, Aspergillns flavns, Corn. Abstract: a heginning moistnre content of 18.5 percent and a temperature of 25 C favored invasion by A. ochracens, and a beginning moistnre content of 18.5 percent and a temperature of 35 C resulted in heavy invasion by A. candions.

13488-68 PREPARATIONS OF APLATOXINS AND DETERMINATION OF THEIR ULTRAVIOLET AND FIUORISCENT CRABACTERISTICS. JA Robertson W A Pons L A Goldblatt J Agr Food Chem 15(5):79R-801 Sep 1967 361 J8223 Aflatoxin, Chromatography, Flnorescence, Ultraviolet rays, Wheat. Abstract

Arthropods

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13489-68
STUDIES ON THE SUSCEPTIBILITY OF CERTAIN STORED PRODUCTS
INSECTS TO RACTERIAL INSECTICIDES. 1. TESTS WITH RAKTHANE
L-69.
A M Afifi
Soc Entomol Egypte Rull 49:59-64
1966 420 EG9
Achroia grisella, Anagasta kuehniella, Racillus thuringiensis,
Biological control (insects), Insect pests,
Insecticide resistant insects, Plodia interpunctella,
Stored products, Thuricide.
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THE FAUNA OF STORED PRODUCTS IN U.A.R. R Attia A H Kamel Soc Entomol Egypte Rull 49:221-232 1966 420 EG9 Insect pests, Mites, Rodents, Stored products.

INTEGRATED HOUSE FLY CONTROL: POPULATIONS OF FLY LARVAE AND PREDACEOUS MITES, MACROCHELES MUSCAEDOMESTICAE, IN POULTRY MANDRE AFFER LARVICIDE TREATHENT. B C Artell J Econ Entomol 61(1):245-249 Feb 1968 421 J822 Insect populations, Integrated control (insects), Larvicides, Macrocheles muscaedomesticae, Mites, Musca domestica, Ponltry mannre. Abstract

13492-68 LEPIDOPTERA INPESTING STORED PRODUCTS. IN: SMITE, C. N. INSECT COLONIZATION AND MASS PRODUCTION. Q1497.S6. H P Roles P O Marzke 259-270 REF 1966 Insect hiology, Insect rearing, Insect rearing eguipment, Lepidoptera, Stored products.

13493-68 NOTES ON GNATHOTRICHUS MATERIARIUS (COL. SCOLYTIDAE), A TIMBER REETLE NEW TO TRE NETHERLANDS. D Doom Entomol Rer 27 (8):143-148 O1 Aug 1967 420 N38R Forest insects, Gnathotrichus materiarius, Scolytidae, Timber. Abstract

13494-68 ONTOGENY AND COMPARATIVE RADIATION SENSITIVITY IN THE CONPUSED PLOUR REETLE AND STRAINS OF TRE RED FLOUR REETLE. R E Erdman J Econ Entomol 61(1): 123-125 Peh 1968 421 J822 Insect physiology, Hetamorphosis, Triholium castanenm, Triholium confusnm, X-rays. Abstract

13495-68 COLEOPTERA INPESTING STORED PRODUCTS. IN SHITE, C, N. INSECT COLONIZATION AND HASS PRODUCTION. QL497.S6. P K Rarein E L Soderstorm 241-257 REF 1966 Coleoptera, Insect hebavior, Insect rearing, Stored products.

13496-68 RIOLOGICAL STUDIES ON TRE MEDITERRANEAN FLOUR MOTR, ANA-GASTA KURNIELLA ZELLER (LEPIDOPTERA: PHYCITIDAE). H A Rassancin A R Kamel Soc Entomol Egypte Rull 49:327-358 REP 1966 420 EG9 Anagasta kuehniella, Grain, Storage.

13497-68 PREPERENCE FOR WOOD OF DIFFERENT DEGREES OF DAMPNESS IN SOME TERMITES FROM CURA (ISOPTERA). I REdy J Zeleny

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Acta Ent Bchemoslcv 64(5):352-363 BEF 1967 420 C33 Bumidity, Insect Lehavior, Termites, Wood.

EFFECT OF BIGH-AMYLOSE FIELD COEM ON LABVAL GBOWTH AND SUR-VIVAL OF FIVE SPECIES OF STOBED-GRAIN INSECTS. J Econ Entosol 61(1):280-282 Feb 1966 421 JB22 Amyloses, Corn, Insect physiology, Longevity,

Amyloses, Corn, Insect physiology, Longevity,
Rhizopertha dominica, Sitophilus granarius, Sitophilus oryzae,
Sitotroga cerealella, Stored products, Triholium castaneum.
Abstract

13499-68
INSECT CONTACL WITH HIGH PRECUENCY ELECTRIC PIELDS.
F L Watters
Entemc1 Soc Manitota Proc 22:23
1966 420 EN88
Electric fields, Insect control, Stored products.

13500-68

EFFECTIVENESS OF GAMMA IRBALIATION FOB CONTBOL OF FIVE SPECIES OF SIGNED-FRODUCT INSECTS.

F.L. Watters K.F. MacQueen
J. Stored Frod Bes 3(3):223-234 REF
Oct 1967 421 J829
Cohalt isotopes, Cryptolestes ferrngineus, Gamma rays,
Insect control, Irradiation, Bhyzopertha dominica,
Sitophilms granarius, Triholium castaneum, Triholium confusnm.
Abstract

Rodents and Other Pests

SCME CBSEBVATIONS ON THE PROBABLE DAMAGE CAUSED BY BATS IN BCHEAY.

P J Decras
Indian J Entowol 28 (4):543-547
Dec 1567 420 IN23
Crop losses, Food, India, Bats.

13502-68
CCMPARATIVE TOXICITY OF RODENTICIDES.
A P RCSZKOWSKI
Ped Amer Soc Exp Eiol Fed Proc 26 (4):1082-1088 BEF
Jul 1967 442.9 F31F

Lahoratory animals, Livestock, Fodenticides, Toxicology,

Microbial Contamination

13503-68

SALMONDLLAE ASSOCIATED WITH FUBIBEB-FROCESSED TUBKEY
FEOLUCITS.
P. L. Bryan J. C. Ayres A. A. Kraft
Appl Microtiol 16(1):1-9 REF
Jan 1568 448.3 AP5
Pood contamination, Pcultry products, Salmonella, Turkey meat.
Abstract

13504-68
SURYIVAL AND CUIGECUTH OF CLOSTBIDIUM BOTULINUM TYPE E SPCEES IN SMOKED FISH.
L N Christiansen J Deffner E M Poster A Sngitama Appl Microtiol 16(1):133-137 BEF Jan 1968 446.3 APS
Clostridium hotulinum, Fish, Pood contamination, Smcking (preservation), Spore germination.
Smoked chut
Abstract

13505-68
IMPROVED MEDIUM FOR SPORULATION OF CLOSTRIDIUM PERPRINGENS.
C L Dancan D B Strong
Appl Microbiol 16(1):82-89 BEP
Jan 1968 448-3 AP5
Clostridinm perfringens, Culture media, Pood contamination, Spore germination.

13506-6B
STEPILIZATION OF BARLEY MALT WITH GAMMA BADIATION.
L L Kempe J T Graikoski J B Stratton W H Day
J Agr Food Chem 12(1):98-100
Jan 1964 381 JB223
Barley, Gamma rays, Lactic acid bacteria, Malt,
Pasteurization.

13507-6B
USE OF IMMUNOPLUOBESCENCE AND ANIMAL TESTS TO DETECT GROWTH AND TOXIN PRODUCTION BY CLOSTBIDIUM BOTULINUM TYPE E IN POOD.
T Midura Taclindo G S Nygaard B L Bodily B M Wood Appl Microbiol 16(1):102-105
Jan 1968 448.3 AP5
Biological assay, Clostridinm hotulinum, Convenience food, Plnorescent antibody technic, Pood analysis,
Food contamination, Growth factors, Poultry products, Toxins, Turkey meat.
Tests were .made with turkey rolls.
Abstract

13508-68

DETECTION OF BOTULINAL TOXINS BY IMMUNODIFFUSION.
B L Vermilyea H W Walker J C Ayres
Appl Microhiol 16(1):21-24 BEF
Jan 1968 44B.3 AP5

Clostridinm hotulinum, Food analysis, Food contamination,
Toxins.
Abstract

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13509-68

USE OF 74AS-TAGGET SODIUM AFSENITE IN A STUDY OF EFFECTS OF A HEBBICIDE CN FCND ECOLOGY. IN: ISCTOPES IN WEED RESEARCH; FEOCEEDINGS OF A SYMFOSIUM VIENNA, 25-29 OCTORER 1966. S589.S9.

R C Eall F H Booper 149-163 INTEBNATIONAL ATOMIC ENERGY AGENCY 1966
Aquatic plants, Chemical control (weeds), Herbicides, Metabolism, Fonds, Sodium arsenite.
Abstract

13510-68

RESIDUES OF OFGANCCHLORINE INSECTICIDES AND TREIR METARCLITIES IN SOILS IN THE ATLANTIC PROVINCES OF CANADA. TE Duffy N Word J Agr Food Chem 15(3):457-464
May 1967 361 J8223
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Aldrin, Canada, Chlorinated bydrocarbons, Cbromatograpby, Ddt, Fieldrin, heptachlor, Insecticide residnes, Metabolites, Scil contamination.

Abstract
objectives of this project were to establish quantitatively the extent to which residues of the organochlorine insecticides - heptachlor, dieldrin, aldrin, DDT, chlordane - were cocurring in Canadian Atlantic soils and the nature of the metabolites resulting from them.

13511-68
SECRETARY ERREMAN ANNOUNCES FESTICIDE DECONTAMINATION FROGRAM.
O. L. Freeman
Nat Agr Chem Ass News Pesticide Rev 26(1):11
Oct 1967 421 AG8
Decontamination, Environment, Pesticides, Policies.

13512-68
POTENTIAL USE OF THACER METBODS ESPECIALLY AUTORADIOGRAPRY
IN TRE STUDY OF THE RELATION OF MERRICIDES TO SOIL RIOLOGY
IN: ISOTOFES IN WEED RESEARCR; FROCEEDINGS OF A SYMPOSIUM
VIENNA 25-29 CCTOEER 1965 S589.S9.
E Grossbard
173-187 INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Autoradiography, Rerbicides, Radioactive tracers,
Soil biclogy, Soils.
Abstract

13513-68
ANAERCRIC DEGRADATION OF SELECTED CHLORINATED HYDROCARBON FESTICIPES.
D W Hill F I McCarty
Water Pollut Contr Ped J 39(8):1259-1277 REF
Aug 1967 293.8 SE8
Aldrin, Anaerotic tacteria, Riochemistry,
Chlorinated hydrocarbons, Ddt, Degradation, Dieldrin, Endrin,
Reptachlor, Reptachlor epoxide, Lindane, Pesticides, Sludge,
Tde, Water pollution.

3514-68
AQUATIC INSECTS ASSOCIATED WITH MIDWESTERN WASTE STARFILIZATION LAGGONS.
R A Kimerle W R Enns
Water Pollnt Contr Fed J 40 (2): F31-R41
Feb 1968 293.8 588
Agnatic insects, Fonds, Waste disposal.
Lagoons for municipal, residential, trailer park, and poultry-processing structures

13515-66 ANAIRCOIC LAGCON THEATHENT OF HILKING-PARLOR WASTES. R C Loebr J A Rnf Water Pollnt Contr Fed J 40(1):83-94 REF Jan 1968 293.8 SER Anaerobic Eacteria, Milking barns, Waste disposal, Water treatment.

13516-68
TRAVEL OF NITROGEN IN SOILS.
B C Freul G J Schroepfer
Water Pollut Contr Fed J 40(1):30-48
Jan 1968 293.8 SF8
Enclosures, Nitrogen, Privies, Septic tanks,
Soil contamination.

13517-6R

DETERMINATION OF THE HERRICIDE TORDON
(4-AMINO-3,5,6-TRICRLOROPICOLINIC ACID) IN SOIL RY ELECTRON
CAPTURE GAS CHROMATOGRAPHY.

J G Saba L A Gadallah
Ass Offic Abal Chem J 50(3):637-641
Jnn 1967 381 AS7
Chromatography, Electron capture, Herbicide residnes,
Picloram, Soil contamination.

13518-6R
REBAYIOR OF 14-C-LABELLED DIESEL OIL IN DIFFERENT SOILS.
IN: ISOTOPES IN WEED RESEARCR; PROCEEDINGS OF A SYMPOSIUM VIENNA 25-29 OCTOBER 1965. S589.S9.
A Suss G Schurmann G Pfann
125-134 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Carbon isotopes, Diesel fnels, Isotopes, Radioactive tracers, Soil adsorption, Soils.
Abstract

13519-68
DESIGN OF A MODERN MEAT-PACKING WASTE TREATMENT PLANT.
E Willongbby V D Fatton
Water Pollnt Contr Fed J 40(1):132-137
Jan 1968 293.8 SE8
Costs, Slanghterhouses, Waste disposal.

13520-68
WATER POLLUTION CONTROL AND ABATEMENT. TD420.W45.
T L Willrich N W Rines
194 P. AMES, IOWA STATE UNIVERSITY PRESS
1967
Agricultural industries, Industrial wastes, Sewage disposal, Water pollution.

13521-68
ALDRIN ADSORPTION BY SOILS AND CLAYS.
R YARON A R Swoboda G W Thomas
J Agr Food Chem 15(4):671-675
Jul 1967 381 J8223
Adsorption, Aldrin, Chromatography, Clay soils,
Pesticide analysis, Pesticide residnes, Radioactive tracers,
Sand, Soil contamination, Spectrometry.
Abstract

55 RESIDUES

13522-68
INSPECTOR'S MANUAL. AS951.A5D52.
1 V
1967
Inspection (agricultural products), Manuals, Pesticides.

13523-68
THE JCINT FAO, WHC FROGRAMME ON TRE TOXICITY OF PESTICIDE RESIDDES IN PCOD. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PEOCEEDINGS OF A PANEL VIENNA 12-16 APRIL 1965. SE953.P32.
C Agethe
110 INTERNATIONAL ATCHIC ENERGY AGENCY 1966
Food contarination, Pesticide residues.

3524-68
DETERMINATION OF ECGOE AND CIDIAL BY THE ISOTOPE DILUTION HETHCE. IN: RADIOISOTCEES IN THE DETECTION OF PESTICIDE RESIDDES; FROCEEDINGS OF A PANEL, VIENNA, 12-16 APRIL 1965. SE953.F32.

B Razzi
27-32 INTERNATIONAL ATOMIC ENERGY AGENCY 1966
Apples, Dimethoate, Olive oil, Festicide residues, Phenthoate.

13525-68
REMOVAL OF CHLORINATED INSECTICIDE RESIDUES PROM MILK FAT
BY MOJECDIAS DISTILLATION.
D D Rills J L Sloan
J Agr Food Chem 15(4):676-678
Jul 1967 361 J8223
Chlorinated hydrocarhons, Insecticide residues, Milk fat,
Molecular distillation.
Abstract

13526-68
PLANT GECWIH REGDLANT. BIOCHEMICAI EERAVIOR OF 2-CRLOROETHYL TRIMETHYLAPHONIUM CHLOEIDE IN WEEAT AND IN RATS.
R C Elinn
J Agr Pood Chem 15(6):984-988
Nov 1967 3E1 J8223
Chloroethylltrimethylammonium chloride, (2-, Metabolism, Plant regulators, Radioactive tracers, Rats, Wheat.
Abstract

POTENTIAL CF NEUTRON ACTIVATION ANALYSIS OF PESTICIDES AND HETARCLITES. IN: FABLIOISOTOFES IN THE DETECTION OF PESTICIDES CIDE RESIDUES; PROCEEDINGS OF A PANEL VIENNA, 12-16 1965. SE953.P32.

R L Edgner 78-89 REF INTERATIONAL ATOMIC ENERGY AGENCY 1966 Metabolites, Neutron activation analysis, Pesticide residues, Spectrometry.

13528-68
GAS CHECHATOGRAPHIC ANALYSIS OF 3-HYDROXY-N-METHYLCIS-CROTCHAMIDE DIMETRYL PHOSPRATE (AZODRIN) AND
3-HYDROXY-N,N-DIMETHYL-CIS-CROTCNAMIDE DIMETHYL PROSPHATE
(EIDRIM).

M C Rowman M Ecroza
J Agr Food Chem 15(3):465-468
Hay 1967 361 J8223
Azodrin, Ridrin, Chromatography, Corn, Insecticide residnes,
Pesticide analysis, Photometry.
Abstract

13529-68

TEMFFEATDRE-FROGRAMMED GAS CHROMATOGRAPHY OF 20
PHOSPHORUS-CCHTAINING INSECTICIDES ON 4 DIPPERENT COLDMNS
AND ITS APFLICATION TO THE ANALYSIS OF BILK AND CORN SILAGE.
B C ROWMEN H ECICZE
ASS Offic Anal chem J 50(6):1228-1236
Dec 1967 381 AS7
Chromatography, Corn, Insecticide residnes, Hilk,
Organophosphorns compounds, Pesticide analysis, Silage.
Abstract

13530-68
DETERMINATION OF RESIDUES OF MORIL MC-A-600
(RENZO(R)THIEN-4-YL METHYLCARRAMATE) AND ITS HYDROLYSIS
PRODUCT (RENZO(R)THIOPHENE-4-OL) IN COASTAL EPERUDA GRASS
AND MILK.
M C Rowman M Reroza
J Agr Food Chem 15 (5):894-897
Sep 1967 381 J8223
Renzo(b) thien-4-yl metbylcarhamate, Renzo(b) thiophene-4-ol,
Chromatography, Cymodon dactylon, Insecticide residues, Milk,
Pesticide analysis.
Abstract

13531-68
RAPID METHOD FOR SURFACE RESIDUES OF ORGANOPHOSPHORUS
PESTICIDES BY TOTAL PHOSPHORDS.
E J Broderick E F Tascbenberg L J Hicks A W Avens J E Rourke
J Agr Pood Cbem 15(3):454-456
May 1967 381 JE223
Azinpbosmetbyl, Diazinon, Pruit, Imidan, Insecticide residnes,
Microanalysis, Organichosphorus compounds, Pesticide analysis,
Phospbates.
Abstract

13532-68
DDT PROBLEM AT A GLANCE.
A W A Brown
Aerial Appl 5(7):13-14
Jul 1967 333.8 AP8
Chlorinated hydrocarbons, Ddt, Insecticide residues,
Organophosphorus compounds, Toxicity, Wildlife.

13533-68
NOTE ON THE EFFECT OF SAMPLE MOISTURE CONTENT ON EXPACTION OF TDE FROM KALE.

J A Burke H L Porter
Ass Offic Anal Chem J 50(6):1260-1262
Dec 1967 381 AS7
Extraction, Food moisture, Insecticide residues, Kale,
Pesticide analysis, Tde.

3534-6R
METROD OF ACTIVATION ANALYSIS FOR MERCDRY IN THE RIOSPRERE
AND IN POODS. AN AEDENDOM. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES: PROCEEDINGS OF A PANEL
VIENNA, 12-16 1965. SE953.P32.
R Christell L G Erwall K Ljunggren R Sjostrand T Westermark
90-95 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Pood contamination, Mercury compounds,
Neutron activation analysis, Pesticide analysis,
Pesticide residnes, Pheasants, Spectrometry.

13535-68

PATE OP 2-METHYL-2-(METHYLTHIO)PROPION ALDEHYDE
O-(METHYLCARRAMOYL)OXIME (TEMIK) IN COTTON PLANTS AND
SOIL.
J R Coppedge D A Lindgnist D L Rnll H W Dorongh
J Agr Food Chem 15(5):902-910
Sep 1967 381 JR223
Carhon isotopes, Cotton, Decomposition, Insecticide residnesMetabolites, Radioactive tracers, Soils, Temik.
Abstract

13536-68
PROBLEMS WITH DDT IN PISH CDLTDRE OPERATIONS.
J P Cnerrier J A Keith E Stone
Natur Can 94(3),315-320
May 1967 410 N216
Ddt, Peed contamination, Pisb, Insecticide residnes,
Mortality.
Englisb and Prench abstracts
Abstract

13537-68
A SURVEY OF ORGANIC CHLORIDE IMPURITIES IN FOOD GRADE
HYDROCHLORIC ACID.
J G Commings K T Zee
Ass Offic Anal Chem J 50 (6):1262-1265
Dec 1967 381 AS7
Cblorinated hydrocarhons, Conlometers, Food contamination,
Rydrochloric acid, Pesticide residues, Statistical analysis.
Abstract:
no cblorinated pesticides were found.

13538-68
A REPORT ON RESIDDES IN FOOD.
R E Doggan K Dawson
Nat Agr Chem Ass News Pesticide Rev 25(6):3-7
Aug 1967 421 AG8

13527-6R

Pood contamination, Pesticide residues, Statistics, Tolerances.

13539-68
COLOBIMETRIC DETERMINATION OF ALAB RESIDUES IN APPLES.
L J Edgerton # 1 Fockey H Arnold D J Lisk
J Agr Food Chem 5(5):812-813
Ser 1967 361 08223
Apples, Colorimetry, Festicide analysis, Pesticide residues,
Plant growth inhibitors, Succinic acid, 2,2-dimethylbydrazide.
Abstract

13540-68
C&LORINATED HYDBOCARBON INSECTICIDE BESIDDES IN SELECTED INSECTS AND & HEDS FOUND IN ASSOCIATION WITH COTTON FIELDS. E I El Sayed J B Graves F L Eonner
J Agr Food Chem 15(6):1014-1017
Nov 1967 3£1 J8223
Birds, Chlorinated bydrocartons, Cotton, Ddt,
Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-,
Heliothis zea, Insecticide residnes, Insects, Metabolites.
Abstract

13541-68
BEVITE OF THE METABOLISM AND DECOMPOSITION OF DIQUAT AND FABAQUAT.
H H Funderburk G A Bozarth
J Agr Pood Chem 15(4):563-567
Jul 1967 361 J8223
Decomposition, Diguat, Herbicides, Paraquat,
Soil Microcorganisms, Ultraviolet rays.
Abstract

13543-68
FENTACBICKCNITECEENZENE BESIDUES IN POTATOES.
S Gorbach D Wagner
J Agr Pood Chem 15(4):654-656
Jnl 1967 361 J8223
Chromatcgraphy, Fungicides, Metabolites, Pentachloroaniline,
Pentachloromitrobenzene, Pesticide analysis,
Pesticide residues, Potatoes.
Abstract

13544-68
ABSORPTION OF OBGANOCHLOBINE INSECTICIDE BESIDDES PBOM AGRICOLTUBAL SCILS 8Y MOOT CBOPS.
C R harris W W Sans
J Agr Food Chem 15 (5):861-863
Sep 1967 361 J8223
Absorption, Chlorinated hydrocarbons, Insecticide residues, Plant metabolism, Flant translocation, Root crops, Soils.
Abstract

ADDITIONAL CLEANUF OP SAMPLES ON GLC COLDMN POR TLC DETERMINATION OF FESTICIDE BESIDUES.

K T Bartman
Ass Offic Anal Chem J 50 (3):615-623
Jun 1967 381 AS7
Chromatcgraphy, Cleanup, Food contamination,
Pesticide analysis, Pesticide residues.
Gas-liquid chromatcgraphy (GLC) and thin layer chromatcgraphy (TLC)
Abstract

13546-68

PARATBICN AND MITSYL PARATBION RESIDDES ON CA88AGE AND SCUTSERN FRAS.
C E 80elscher D A Wolfenbarger N E Foster
J Econ Entomol 61(1):56-58
Peb 1968 421 J822
Cabbage, Cowpeas, Insecticide residnes, Methyl garathi

reb 1968 421 3822 Cabbage, Cowpeas, Insecticide residnes, Methyl parathion, Parathicn. Abstract

3547-68
DNINTENTIONAL BIOLOGICAL EFFECTS OF PESTICIDE APPLICATION. (SDHMABY). IN: FAC SYMFOSIDM ON INTEGRATED PEST CONTROL, BOME, 1965. PBOCEEDINGS. SB951. F62. 8 8DTtig B F Hadsen 1:23-24

1966
Environment, Pood contamination, Pesticide residues.

13548-68

METABOLISM OF RADIOACTIVE CESIDM (134CS AND 137CS) AND POTASSIDM BY DAIRY CATTLE AS INFLDENCED BY HIGH AND LOW PORAGE DIETS.

J E Johnson G M Ward E Firestone K L Knox
J Nutr 94(3):282-288 REF
Mar 1968 389.8 J82
Cattle, Cesium isotopes, Diet, Peces, Peed contamination, Grain, Hay, Metabolism, Hilk, Potassium isotopes, Radioactive tracers, Drine.
Abstract

13549-68
INPLUENCE OF PRYSICOCHEMICAL PROPERTIES ON BIODEGRADABILITY OF PHENYLCAREAMATE HERBICIDES.
P.C. Kearney
J. Agr. Rood Chem. 15(4):568-571
Jul. 1967 381 J8223
Decomposition, Enzymes, Herbicide residues, Hydrolysis, Phenylcarbamates.
Abstract

13550-68
GAS CBROMATOGRAPBIC DETERMINATION OF CAPTAN RESIDDES.
W W Kilgore W Winterlin R White
J Agr Pood Chem 15 (6):1035-1037
Nov 1967 381 J8223
Apricots, Captan, Cbromatography, Cottonseed,
Pungicide residnes, Feaches, Pesticide analysis, Tomatoes.
Abstract

13551-68

METABOLISM OF CHLORINATED INSECTICIDES. IN: BADIOISOTOPES IN THE DETECTION OF PESTICIDE BESIDUES; PROCEEDIRGS OF A PANEL, VIENNA, 12-16 APRIL 1965. S8953.P32.

F Korte
38-48 BEF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Aedes aegypti, Aspergillns, Chlorinated hydrocarbons, Laboratory animals, Penicillium.

13552-68
CHLOBANIL. IN: ZWEIG, ANALYTICAL METHODS FOR PESTICIDES, PLANT GROWTB BEGDLATORS, AND FOOD ADDITIVES. VOL. III. FUNGICIDES, NEMATOCIDES. AND SOIL FUNIGANTS, BODENTICIDES, AND FOOD AND FEED ADDITIVES. 395 Z9.

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Chloranil, Food contamination, Fungicides, Pesticide analysis, Pesticide residues.

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E P Lichtenstein T W Fuhremann N E A Scopes R F Skrentny J Agr Pood Chem 15(5):864-869
Sep 1967 381 38223
Aldrin, Detergents, Diazinon, Ethyl parathion, Insecticide residnes, Lindane, Linear alkyl benzene snlfonate, Peas, Plant metabolism, Plant translocation, Roots, Soils.
Abstract

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METABOLISM OF O-P8ENYL-O'-(4-NITBOPBERYL) METBYLPHOSPHONOTBIONATE (COLEP) IN PLANTS AND ANIMALS.
G J Marco E G Jaworski
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Jnl 1964 381 J8223
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Plant metabolism.

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W R Meagher R Hendrickson R G Shively
Ass Offic Anal Chem J 50(6):1242-1246
Dec 1967 381 AS7
Citrus, Metabolites, Pesticide residues, Spectrophotometry,
Temik.
Abstract

13557-68
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G I Mehren
Agr Chem 22(7):26-27
Jul 1567 361 AG8
Carbamates, Pest control, Pesticide residues, Pesticides,
Phosphates.

13558-68
DETERMINATION OF TERRACHLOR IN CROPS AND SOIL RY ELECTRON-CAPTURE GAS CHROMATGGRAPHY.

T F Methratta F W Montagna W P Griffith J Agr Food Chem 15(4):64R-650 Jul 1567 361 JR223 Chromatcgraphy, Crops, Fungicide residues, Pentachlorcritrchenzene, Pesticide analysis, Soil contamination, Spectrophotometry. Abstract

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G E Miller C M Stove
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Rlood plasma, Cattle, Milk, Cxytocin, Sulfamethazine,
Sulfonarides.
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the mechanisms of transport of organic acids into milk.
Abstract

13560-68
DETERTINATION OF CHLOROCHOLINE CHLORIDE RESIDUES IN WHEAT GRAIN, STEAM, AND GREEN WHEAT PCLIAGE.

B F Mconey N & Fasarela
J Agr Food Chem 15(6):989-995
Nov 1967 381 J8223
Chlorcethyl)trimethylammonium chloride, (2-, Chromatography, Pesticide analysis, Pesticide residues, Plant regulators, Straw, Wheat.
Abstract

13561-66
PREVENTION AND FIRST AID POR LIVESTOCK POISONED WITR CREMICALS. SF757.5.N3. (RUS)
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N R Fasarela R E Tondreau W R Rohn G O Gale
J Agr Food Chem 15(5):920-926
Sep 1967 381 J8223
Cattle, Cbrcmatcgrafhy, Pamphur, Insecticide residues, Milk, Systemic insecticides.
Abstract

13563-68

PATE OF TRIFLURALIE IN SOILS AND PLANTS.

6 W Probst T Golab R J Herberg F J Holzer S J Parka

C Van Der Schans J B Tepe

J Agr Food Chem 15 (4):592-599
Jul 1967 361 JB223

Carbon isotopes, Crops, Decomposition, Herbicide residues,
Radioactive tracers, Soils, Trifluralin.
Abstract

13564-68
DISTRIBUTION OF P,P'-DDT RESIDUES IN ADIPOSE AND MUSCLE TISSUES OF REEF CATTLE.

1 S Rumsey P A Futnam R E Davis C Corley
J Agr Food Chem 15(5):898-901
Sep 1967 361 J8223
Cattle, Ddt, Lichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-,
Insecticide residues, Pesticide analysis, Tde.
Abstract

13565-68

NEW EXTRACTION SYSTEM FOR RESIDUE ANALYSES.

R R Schnorbus W F Phillips

J Agr Pood Chem 15 (4):661-666

Jul 1967 3R1 J8223

Carbamates, Chlorinated hydrocarbons, Chromatography,
Extraction, Organorhosphorus compounds, Pesticide analysis,
Pesticide residues, Propylene carbonate, Orea compounds.
Abstract

13566-68
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N E A Scopes E P Lichtenstein
J Econ Entowol 60(6):1539-1541
Dec 1967 421 J822
Riological assay, Carbamates, Drosophila melanogaster,
Polsomia fimetaria, Insect rearing, Insecticide residues,
Organophosphorus compounds.

13567-68

SEPARATION, IDENTIFICATION, AND MEASUREMENT OF DDT AND ITS METABOLITES.

M Siewierski K Helrich
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Chromatography, Ddt, Degradation, Infrared spectra,
Insecticide residues, Metabolites, Pesticide analysis.

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J W Smith T J Sheets
J Agr Food Chem 15(4):577-581
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Carbon isotopes, Cotton, Decomposition, Diuron, Herbicide residues, Monuron, Plant metabolism, Radioactive tracers, Soybeans.

Abstract

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R K Stevens
Ass Offic Anal Chem J 50 (6):1236-1242
Dec 1967 381 AS7
Chromatography, Citrus oils, Insecticide residues, Organophosphorus compounds, Pesticide analysis, Photometry, Thiophosphates.
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PRORLEMS IN WHO ON PESTICIDE RESIDUES. IN: RADIOISOTOPES
IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A
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A R Stiles
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Water pollution.

13571-68
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R V Tucker D E Pack J N Ospenson
J Agr Pood Chem 15(6):1005-1008
Nov 1967 381 JR223
Adsorption, Diquat, Herbicide residues, Paraguat, Soils.
Abstract

13572-68
DISTRIBUTION OF REPTACHLOR RESIDUES IN POND ECOSYSTEMS IN SOUTHWESTERN VIRGINIA.
W M Weatherholtz G W Cornwell R W Young R E Webb
J Agr Pood Chem 15 (4):667-670
Jul 1967 381 J8223
Ddt, Ecology, Reptachlor, Insecticide residues, Ponds.
Abstract

13573-68
REPORT ON HERRICIDES AND PLANT GROWTR REGULATORS.
G YIP
Ass Offic Anal Chem J 50(4):908-911
Aug 1967 381 AS7
Chromatography, Rerbicide residues, Pesticide analysis,
Plant regulators.

13574-68
FATE OF INSECTICITE RESIDUES. DECOMFOSITION OF LINDANE IN SCII.
W N Yule & Chiba R V Horley
J Agr Food Chem 15(6):1000-1004
Nov 1967 361 J8223
Chrcmatcgraphy, Decomposition, Insecticide residues, Lindane, Microorganisms, Scil contamination.
Abstract

60 TOXICOLOGY

13575-68 1575-68

METAROLISH OF 2-CRLORO-1-{2,4,5-TRICRLOROPHENYL}VINYL

DIMETRYL PHOSPRATE IN THE DOG AND BAT.

D A A Akintonwa D R Rutson

J Agr Food Chem 15 (4):632-637

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Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate, 2-,

Decomposition, Dogs, Insecticides, Metabolism, Rats. Abstract 13576-68 TOXIC RAZARDS FROM THE USE OF INSECTICIDES IN THE CONTROL OF AEDES AEGYPTI. J M Rarnes World Realth Organ Rull 36(4):623-624 1967 44)-9 W892R Aedes aegypti, Carbamates, Chemosterilants, Chlorinated hydrocarbons, Rumans, Insecticides, Organophosphorus compounds, Toxicity. FOOD AND HEALTR - THE SAFE USE OF PESTICIDES. Nat Agr Chem Ass News Pesticide Rev 26(1):3-7 Oct 1967 421 AG8 Accident prevention, Food supply, Pesticide residues, Public health, Toxicity. METAROLISM AND EXCRETION OF AN INSECTICIDE (6-CRLORO-3,4-DIMETRYLPRENYL N-METHYLCARRAMATE) IN TRE RAT. DIRETRYLPHENT N-BETHYLCARHAGAER) IS THE BAL.

R I RATON J D DODRETY
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Chloro-3,4-dimethylphenyl N-methylcarbamate), (6-, Excreta,
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E Gallego Garcia
Oviedo Univ Fac Vet Leon An 12(12):191-211 REF
1966 41.9 0V4 Dogs, Rabbits, Tetracycline, Toxicity. Spanish, French, English, and German summaries Abstract

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Badioactive tracers, Rats,
Tetrachloro-2, 2-bis (para-chlorophenyl) ethane, 1,1,1,2-, Tissues, Toxicity.

anstract:
sephader chromatography of tissne homogenates incubated
with C-14-DDT provided apparent evidence of hinding
of DDT with cockroach nerve cord and rat liver,
mnscle, and hrain.

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13587-68 STUDIES ON EXPERIMENTAL POISONING OF AGRICULTURAL CHEMICALS IN DOGS. 1. EXPERIMENTAL POISONING OF LOWLY TOXIC HATICIDE IN DOGS. (JA) B Kan∈da Jap Vet Bed Ass J 20(11):462-465,468 1967 41.9 J275

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Festicides, Waste disposal.

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13589-68 BEBBICIDES AND THEIR TOXICITY TO LIVESTOCK. I G McIntosh New Zeal Vet J 15(4):70-73 EEP Apr 1967 41.8 N483 Berbicides, Livestock, Poisoning, Reviews, Toxicity.

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13592-68 CONTACT AVICIDES. FATERT 3,340,142. A J Beinert K E Cantrel Us Fatent Cffice Offic Gaz 842(1):290 05 Sep 1967 156.65 OP2 Absorption, Acetic acid, Avicides, Chloroacetic acid, Cyanohydrins, Patents, Phosphoric acid, Pigeons, Skin, Sparrows, Starlings, Wildlife pests.

13593-68 DYNAMICS OF ORGANOCHLORINE INSECTICIDES IN VERTEBRATES AND ECOSYSTEMS. J Robinson Nature 215 (5096):33-35 REF 01 Jnl 1967 472 N21 Chlorinated hydrocarbons, Ddt, Dieldrin, Ecology, Insecticides, Vertebrates

13594-68 COMPARATIVE PHARMACOLOGY OF SOME ANIMAL TOXINS. P E Bnssell Ped Amer Soc Exp Riol Ped Proc 26(4):1206-1224 REP Jnl 1967 442.9 P31P Animals, Arthropoda, Ree venom, Pharmacology, Toxins, Venoms.

13595-68 DDT-INDUCED METABOLIC CHANGES IN BAT LIVER. E Sanchez Can J Riochem 45(12):1809-1817 REF Dec 1967 470 C16E Ddt, Enzymes, Lencine, Liver, Metabolism, Proteins, Bats, Ribonneleic acid. Abstract

13596-68 TOXICITY EVALUATION OF AIR POLLUTANTS BY USE OF LUMINESCENT BACTEBIA. HACTERIA.

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Atnos Environ 1(1):21-32
Jan 1967 TD881.A8 Acetal, Air pollntion, Bacteria, Insinescence, Oxidation, Ozone, Photochesistry, Toxicity. Abstract: Anstract.

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13599-68 DISTRIBUTION AND EXCRETION OF DICAMBA BY BATS AS DETERMINED BY RADIOTRACES TECHNIQUE. B Tye D Engel J Agr Pood Chem 15(5):837-840 Sep 1967 381 J8223 Carbon isotopes, Dicamha, Excreta, Herbicide residnes, Hetaholism, Radioactive tracers, Hats. Abstract 13600-68

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J Agr Food Chem 15(3):492-496 1967 381 J8223 Animals, Pish, Insecticide residues, Lindane, Plants, Toxicity, Varcus. Abstract

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13606-68

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Abstract

65 PLANT PHYSIOLOGY AND BIOCHEMISTRY

13607-68 EPPECT OF ENVIRONMENTAL AND BIOLOGICAL PACTORS ON PERSISTENCE OF MALATRION APPLIED AS ULTRA-LOW-VOLUME OR EMULSIPIABLE CONCENTRATE TO COTTON PLANTS. T M Awad S B Vinson J B Brazzel T M Awad S R Vinson J R REAZZEL J Agr Food Chem 15(6):1009-1013 Nov 1967 381 J8223 Cotton, Emulsions, Formulations, Insecticide residues, Malathion, Metabolism, Persistence, Ultra low volume application.

Abstract 13608-6R

METABOLISM OF AMINO ACIDS IN AGRORACIERIUM TUMEPACIENS. III. UPTAKE OF L-PROLINE. R M Bebki Can J Biochem 45 (12): 1819-1834 REF Dec 1967 470 C16E Agrobacterinm thmefaciens, Amino acids, Carbon isotopes, Plant metabolism, Proline, Radioactive tracers. Abstract

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13610-6B

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English summary Abstract

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D Desaty L C Vining
Can J Biochem 45 (12):1953-1959 REP
Dec 1967 470 C16E Pnngns diseases (plants), Pnsarinm oxyspornm, Nicotinic acid, Plant biochemistry.

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Can J Ret 45(10):1837-1844 REF
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Cellulase, Enzymes, Indoleacetic acid, Peas, Plant physiology,
Plant regulators.
Abstract

13616-68

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E L Granger E J Rogne
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Plant bardiness, Faspberries,
Snccibic acid, 2,2-dimethylbydrazide.

13617-68
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E Ball
Australian J Eiol Sci 20(2):419-42R BEF
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Catalase, Coenzymes, Electrophoresis, Phsarium solani, Plant taxonomy, Proteids.
Abstract

13618-68

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B B Im C J Sin

Seoul Univ J Eiol Agr Ser (t) 17:111-117 REF

Sep 1966 442.9 SOE4

Barley, Githerellins, Indoleacetic acid, Plant regulators.
English Surmary
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W G Jaffe I Vega Lette
J Nutr 94(2):203-210 BEF
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Beans, Picchemistry, Plant growth inhibitors.
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13620-68

THE EFFECTS OF INDCLEACETIC ACID AND 2,4-DICHLORO-PHENOXYACETIC ACID ON INTERMEDIARY METABOLISM OF 14C-LABELIEF CEGANIC ACIDS BY PEA ROOT TIPS.

W K Kim R G S Ridwell
Can J Rot 45(10):1789-1796 REF
Oct 1967 470 C16C
Acetic acid, Carbon isotopes, D, 2,4-, Glutamic acid, Indoleacetic acid, Peas, Plant metabolism, Pyruvic acid, Radioactive tracers, Succidic acid.
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13621-68
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MIBOCHA, C. J., AND URITABI,I., ED. TRE DYNAMIC BOLE
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Barley, Ddt, Flant biochemistry.

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CREKICAL AND FRYSICAL NATURE OF PLANT CUTICLES IN RELATION TO THE DEFCSITION AND PENETRATICN OF PESTICIDES. IN: RADIOISOTOPES IN TRE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A FANEL, VIENNA, 12-16 APRIL 1965 SE953. P32. J T Bartin 59-66 REF INTERNATIONAL ATOMIC EMERGY AGENCY 1966
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13624-68
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S Marnmo H Abe R Battori K Mnnakata
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Peas, Plant regulators, Seeds.

3625-68
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PROCEEDINGS, COMFERENCE RELD MAY 15-21, 1966, GANAGORI,
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121-143 REP. AMERICAN PRYTOPATROLOGICAL SOCIETY
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Plant metabolism, Plant nutrition.

13626-6B
EFFECT OF BENZIMIDAZOLE AND KINETIN ON THE MICOTINAMIDE
BUCLECTIDE CONTENT OF SENESCING WREAT LEAVES.
D Hishra E R Waygood
Can J Blochem 46 (2): 167-178 BEF
Feb 1968 470 c16E
Renzimidazole, Kinetin, Nicotinamide, Nncleotides,
Plant senescence, Wheat.
Abstract

13627-68

DEBLYATIVES OF (+)-LIHONENE. DETECTION AND TRANSLOCATION OF QUATERNARY AMBONIUM FLANT GROWTE RETARDANTS IN YOUNG GRAPEPROIT AND REAN SEEDLINGS.

W F Newhall A P Pieringer
J Agr Pood Chem 15 (3): 488-491
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Ammonium compounds, Chromatography, Limonene, Pesticide analysis, Pesticide residnes, Plant growth inhibitors, Plant translocation, Quaternary ammonium compounds.
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Plant metaholism, Ustilago hordei.
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